

# Pink hydrogen versus green and turquoise hydrogen

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## Introduction

Today, many are advocating a shift away from fossil fuels to a hydrogen economy.

Hydrogen-powered vehicles already exist, from cars manufactured in Japan to buses running in Spain.

Hydrogen can even be used to replace coal in the iron and steel industry.

The development of aircraft that operate using hydrogen instead of kerosene has yet to be developed, but in the past there have been spacecraft that use hydrogen as fuel and other derivatives such as hydrazine.

The real issue is whether hydrogen sources are environmentally friendly or not.



Fig 1. Hydrogen bus in Madrid Spain.

## Colors as a mark of origin

In the past it has been said that hydrogen which is produced from hydrocarbons and which generates CO<sub>2</sub> that is released into the atmosphere is called gray hydrogen.