

# Converting Colors

Hex(007238)

Have a look what the booklet for  
Hex(007238) contains.

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**Color**

**Hex(007238)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 007238                      |
| RGB           | 0, 114, 56                  |
| RGB Percent   | 0%, 45%, 22%                |
| CMY           | 1.0000, 0.5529, 0.7804      |
| CMYK          | 1.00, 0.00, 0.51, 0.55      |
| HSL           | 149°, 100%, 22%             |
| HSV           | 149°, 100%, 45%             |
| XYZ           | 6.7311, 12.3202, 5.7646     |
| YIQ           | 73.3020, -49.3260, -42.2060 |

# Conversions

## Conversions Part 2

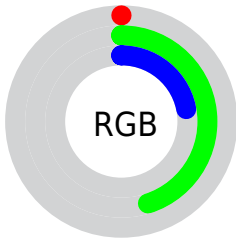
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 0, 76, 114                    |
| Decimal                             | 29240                         |
| CIELab                              | 41.72, -41.93, 24.42          |
| CIELCh                              | 42, 48.523, 149.785           |
| Yxy                                 | 12.3202, 0.2712,<br>0.4965    |
| Android<br>(android.graphics.Color) | 4278219320<br>(0xFF007238)    |
| YUV                                 | 73.3020, -8.5299,<br>-64.2859 |
| Hunter-Lab                          | 35.1001, -27.1943,<br>14.8326 |

# Details

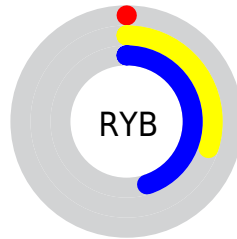
The Hex color **007238** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **72003A**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **4AA768**, and **00400B** is the 20% darker color. If you saturate the color by 10%, you get **007238**, and if you desaturate by 10%, it is **0B723E**.

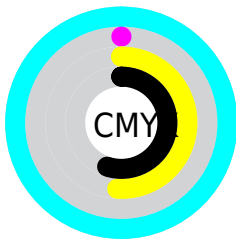
# Distribution



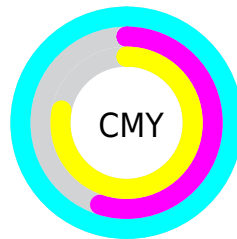
- Red (0%)
- Green (45%)
- Blue (22%)



- Red (0%)
- Yellow (30%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007238 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 007238 by changing the saturation by 10% instead.



 007238

 007238

FFFFFF

 005921

 4AA768

 00400B

 66C381

 002A00

 82DF9C

 000C00

 9EFCB7

 000000

 BAFFD3

 D7FFE7

 F5FFFF

 007238

 0B723E

 177244

 227249

 2E724F

 397255

 44725B

 507261

 5B7266

 67726C

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



4F6C14



007238



007561

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



007238



0067B3



A7413D

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



007238



72003A

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



A83B64



007238



6158A8

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



007238



0071A7



92468B



95511B

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



007238



00757C



92468B



AA3D4A



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



007238



68947D



3B7200



2F4A3C



C9C9C9



4A4A4A



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



007238



009449



007270



323835



00783B



00F77A



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72003A



94004B



720002



383235



78003D



F7007E



# Previews

## White Background



This preview shows how the Hex color 007238 looks on a white background.

## Color Contrast Check

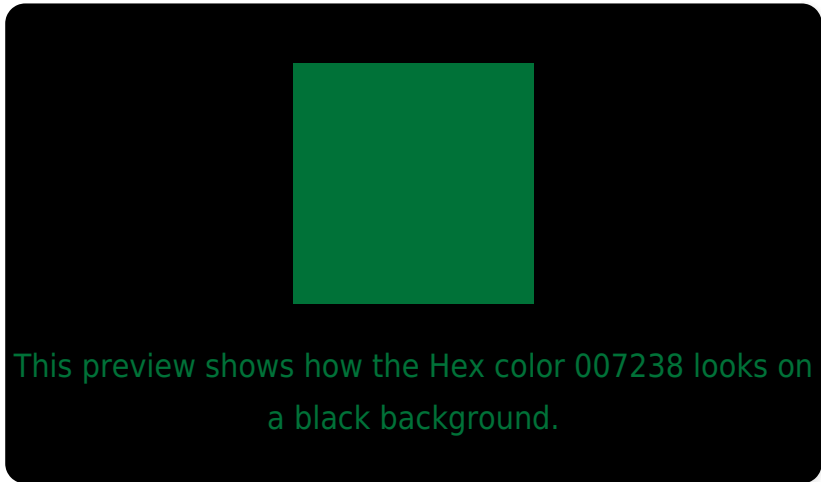
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 007238 Background



This preview shows how black text looks on a background with the Hex color 007238.



This preview shows how white text looks on a background with the Hex color 007238.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
007238

**Protanopia**  
6C6233

**Deuteranopia**  
775E3D



**Tritanopia**  
2C6B74

# Trichromacy



**Original Color**  
007238



**Protanomaly**  
456835



**Deuteranomaly**  
4C653B



**Tritanomaly**  
1C6E5E

# Monochromacy



**Original Color**  
007238



**Achromatopsia**  
494949



**Achromatomaly**  
2E5843

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007238 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #007238 looks like.

```
.text, #text, p{  
    color:#007238  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #007238 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007238
}
```

## Border

The CSS property to change the border of an element to Hex 007238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#007238 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#007238 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #007238 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007238; -webkit-box-shadow:4px 4px  
4px 4px #007238; box-shadow:4px 4px 4px  
4px #007238 }
```

# Background

The CSS property to change the background color of an element to Hex 007238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007238 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#007238 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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