

# Converting Colors

Hex(007D20)

Have a look what the booklet for  
Hex(007D20) contains.

<b>Hex(007D20)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(007D20)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007D20
RGB	0, 125, 32
RGB Percent	0%, 49%, 13%
CMY	1.0000, 0.5098, 0.8745
CMYK	1.00, 0.00, 0.74, 0.51
HSL	135°, 100%, 25%
HSV	135°, 100%, 49%
XYZ	7.5943, 14.7715, 3.8174
YIQ	77.0230, -44.6470, -55.4230

# Conversions

## Conversions Part 2

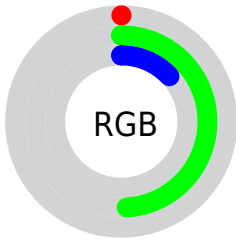
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 100, 125
Decimal	32032
CIELab	45.32, -48.95, 40.26
CIELCh	45, 63.386, 140.563
Yxy	14.7715, 0.2900, 0.5642
Android (android.graphics.Color)	4278222112 (0xFF007D20)
YUV	77.0230, -22.1963, -67.5492
Hunter-Lab	38.4337, -31.9883, 21.0146

# Details

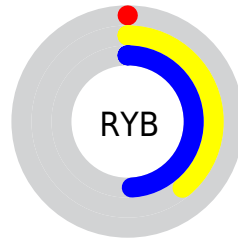
The Hex color **007D20** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7D005D**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **4FB352**, and **004A00** is the 20% darker color. If you saturate the color by 10%, you get **007D20**, and if you desaturate by 10%, it is **0C7D29**.

# Distribution



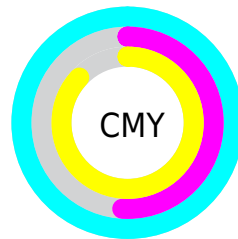
- Red (0%)
- Green (49%)
- Blue (13%)



- Red (0%)
- Yellow (39%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007D20 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 007D20 by changing the saturation by 10% instead.



 007D20

 007D20

FFFFFF

 006302

 4FB352

 004A00

 6CCF6C

 003300

 88EB86

 001B00

 A5FFA1

 000000

 C2FFBC

 DFFFD9

 FDDFF5

 007D20

 0C7D29

 197D33

 267D3C


 327D45

 3F7D4F

 4B7D58

 577D61

 647D6A

 717D74

# Harmonies

## Analogous

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



5F7400



007D20



008258

# Triad

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



007D20



0077D5



C7314A

# Complementary

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



007D20



7D005D

# 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.



C02F7E



007D20



3E65CF

# Square

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



007D20



0080BD



994AAF



B44B16

# Rectangle

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



007D20



00837D



994AAF



C82C5B



# Sweetspot

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



007D20



72A37F



5E7D00



34523C



D1D1D1



525252



# Same Dimension

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



007D20



00A32A



007D5E



39403B



008021



000000



# Inverse Universe

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



7D005D



A30079



7D001F



40393E



80005F



000000



# Previews

## White Background



This preview shows how the Hex color 007D20 looks on a white background.

## Color Contrast Check

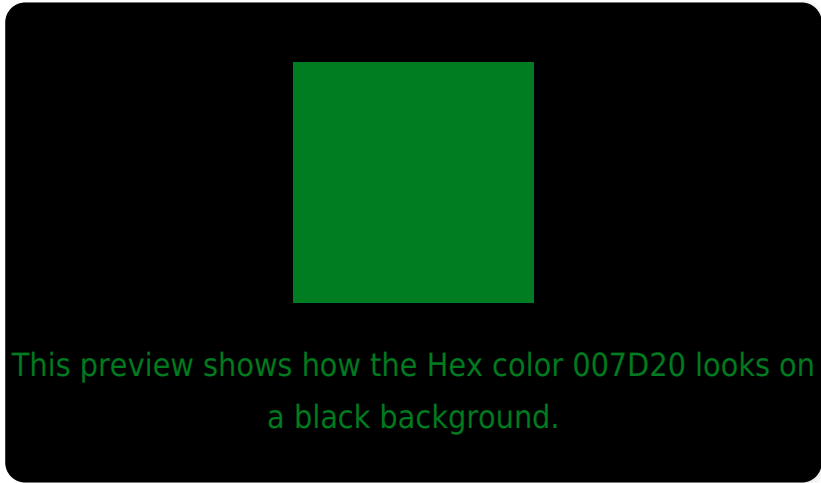
Large Text (above 18pt) WCAG AA ✓ Pass

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 007D20 Background



This preview shows how black text looks on a background with the Hex color 007D20.



This preview shows how white text looks on a background with the Hex color 007D20.

# 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**  
007D20

**Protanopia**  
786B1B

**Deuteranopia**  
856629



**Tritanopia**  
33757E

# Trichromacy



**Original Color**  
007D20



**Protanomaly**  
4C721D



**Deuteranomaly**  
556E26



**Tritanomaly**  
20785C

# Monochromacy



**Original Color**  
007D20



**Achromatopsia**  
4D4D4D



**Achromatomaly**  
315E3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007D20 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 #007D20 looks like.

```
.text, #text, p{  
    color:#007D20  
}
```

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 #007D20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007D20
}
```

## Border

The CSS property to change the border of an element to Hex 007D20 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
#007D20 }
```

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

```
.border{ border-color:#007D20 }
```

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

Here you see how a box with a 4 pixel #007D20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007D20; -webkit-box-shadow:4px 4px  
4px 4px #007D20; box-shadow:4px 4px 4px  
4px #007D20 }
```

# Background

The CSS property to change the background color of an element to Hex 007D20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007D20 }
```

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

```
.background{ background-color:#007D20 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor