

Converting Colors

XYZ(10.7786, 17.0196, 2.7181)

Have a look what the booklet for
XYZ(10.7786, 17.0196, 2.7181)
contains.

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Color

**XYZ(10.7797, 17.0161,
2.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8000
RGB	77, 128, 0
RGB Percent	30%, 50%, 0%
CMY	0.6980, 0.4980, 1.0000
CMYK	0.40, 0.00, 1.00, 0.50
HSL	84°, 100%, 25%
HSV	84°, 100%, 50%
XYZ	10.7797, 17.0161, 2.7163
YIQ	98.1590, 10.6920, -50.6200

Conversions

Conversions Part 2

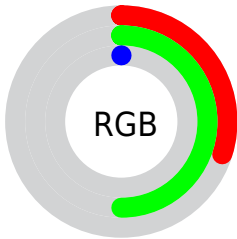
Format	Color
RYB	0, 128, 51
Decimal	5079040
CIELab	48.28, -35.05, 52.39
CIELCh	48, 63.030, 123.781
Yxy	17.0161, 0.3533, 0.5577
Android (android.graphics.Color)	4283269120 (0xFF4D8000)
YUV	98.1590, -48.3924, -18.5564
Hunter-Lab	41.2506, -25.5425, 24.9712

Details

The XYZ color **10.7797, 17.0161, 2.7163** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.2624, 2.2629, 20.5825**, and the grayscale version is **11.7647, 12.3774, 13.4790**.

A 20% lighter version of the original color is **26.8381, 38.2547, 10.9704**, and **3.0336, 5.6082, 0.9226** is the 20% darker color. If you saturate the color by 10%, you get **10.7798, 17.0167, 2.7164**, and if you desaturate by 10%, it is **11.2793, 17.2660, 3.1125**.

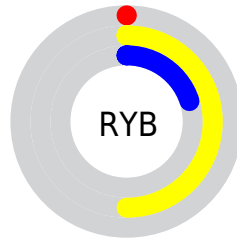
Distribution



Red (30%)

Green (50%)

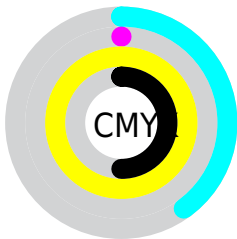
Blue (0%)



Red (0%)

Yellow (50%)

Blue (20%)

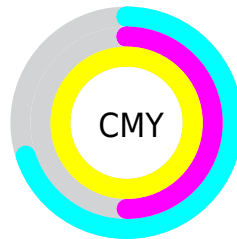


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (70%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7797, 17.0161, 2.7163 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 XYZ color 10.7797, 17.0161, 2.7163 by changing the saturation by 10% instead.

■ 10.7797, 17.0161,
2.7163

■ 10.7797, 17.0161,
2.7163

190.0895,
235.2651, 132.6610

■ 5.9851, 10.2460,
0.9516

■ 26.8886, 38.3535,
10.9200

■ 2.8766, 5.5623,
0.0000

■ 38.9337, 53.6895,
18.1961

■ 1.0888, 2.5808,
0.0000

■ 54.1263, 72.6496,
28.1465

■ 0.0158, 0.9170,
0.0000

■ 72.8317, 95.6181,
41.1897


■ 0.0000, 0.0000,
0.0000


■ 95.4154, 122.9796,
57.7441


■ 122.2427,


155.1183, 78.2285


 153.6790,
192.4187, 103.0613


 10.7797, 17.0161,
2.7163


 10.7797, 17.0161,
2.7163


 10.7798, 17.0167,
2.7164

 11.2793, 17.2660,
3.1125

 11.8509, 17.5478,
3.7170

 12.5198, 17.8725,
4.6585

 13.2944, 18.2435,
5.9770

 14.1819, 18.6636,
7.7070

■ 15.1886, 19.1356,
9.8792

■ 16.3205, 19.6618,
12.5212

■ 17.5830, 20.2445,
15.6584

■ 18.9811, 20.8858,
19.3145

Harmonies

Analogous

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



15.4564, 17.0161, 1.4991



10.7797, 17.0161, 2.7163



8.1546, 17.0161, 7.7768

Triad

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



10.7797, 17.0161, 2.7163



11.7704, 17.0161, 63.8158



29.8762, 17.0161, 16.5205

Complementary

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



10.7797, 17.0161, 2.7163



5.2624, 2.2629, 20.5825

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.



28.2336, 17.0161, 36.2970



10.7797, 17.0161, 2.7163



16.9120, 17.0161, 71.3559

Square

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



10.7797, 17.0161, 2.7163



8.6244, 17.0161, 42.2477



23.1194, 17.0161, 59.1791



27.1916, 17.0161, 5.9234

Rectangle

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



10.7797, 17.0161, 2.7163



7.4950, 17.0161, 15.3097



23.1194, 17.0161, 59.1791



29.8146, 17.0161, 22.1676

Sweetspot

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



10.7801, 17.0168, 2.7167



28.5872, 34.5482, 21.6924



10.0039, 6.7922, 0.7840



6.5228, 8.0097, 4.6746



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.7801, 17.0168, 2.7167



18.8133, 29.8739, 4.7747



7.9156, 15.5402, 2.5826



4.5046, 4.9366, 4.6356



10.6900, 16.8733, 2.6934



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2624, 2.2629, 20.5825



9.1101, 3.9040, 36.2297



10.7157, 5.0742, 20.8377



4.2584, 4.2888, 5.4167



5.2190, 2.2442, 20.4080



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7797, 17.0161, 2.7163 looks on a white background.

Color Contrast Check

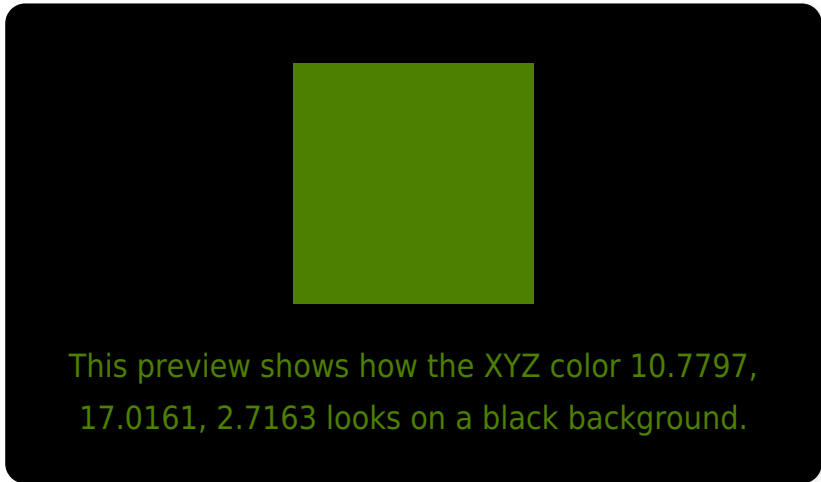
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

XYZ 10.7797, 17.0161, 2.7163

Background



This preview shows how black text looks on a background with the XYZ color 10.7797, 17.0161, 2.7163.



This preview shows how white text looks on a background with the XYZ color 10.7797, 17.0161,

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

10.7797, 17.0161, 2.7163

Protanopia

15.1840, 16.9286, 2.4673

Deuteranopia

17.0396, 16.7246, 3.2498



Tritanopia

14.8737, 17.0028, 23.2668

Trichromacy



Original Color

10.7797, 17.0161, 2.7163

Protanomaly

13.1469, 16.7479, 2.5398

Deuteranomaly

13.9700, 16.2919, 2.8986

Tritanomaly

12.3203, 16.5067, 10.5194

Monochromacy



Original Color

10.7797, 17.0161, 2.7163

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.5546, 13.4587, 6.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7797, 17.0161, 2.7163 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 `rgb(77, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 0)  
}
```

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 rgb(77, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.7797, 17.0161, 2.7163 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 rgb(77, 128, 0) }
```


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

```
.border{ border-color:rgb(77, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7797, 17.0161, 2.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 0) }
```

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

```
.background{ background-color: rgb(77, 128,  
0) }
```

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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