

Converting Colors

XYZ(10.7476, 13.1916, 1.9798)

Have a look what the booklet for
XYZ(10.7476, 13.1916, 1.9798)
contains.

XYZ(10.7476, 13.1916, 1.9798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.7476, 13.1916,
1.9798)**

Conversions

Conversions Part 1

Format	Color
Hex	676A00
RGB	103, 106, 0
RGB Percent	40%, 42%, 0%
CMY	0.5961, 0.5843, 1.0000
CMYK	0.03, 0.00, 1.00, 0.58
HSL	62°, 100%, 21%
HSV	62°, 100%, 42%
XYZ	10.7476, 13.1916, 1.9798
YIQ	93.0190, 32.2380, -33.6020

Conversions

Conversions Part 2

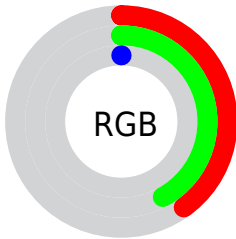
Format	Color
RYB	0, 106, 3
Decimal	6777344
CIELab	43.05, -12.74, 49.22
CIELCh	43, 50.843, 104.516
Yxy	13.1916, 0.4147, 0.5090
Android (android.graphics.Color)	4284967424 (0xFF676A00)
YUV	93.0190, -45.8584, 8.7533
Hunter-Lab	36.3202, -10.7401, 22.1923

Details

The XYZ color **10.7476, 13.1916, 1.9798** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6394, 1.0602, 13.7019**, and the grayscale version is **10.5079, 11.0551, 12.0390**.

A 20% lighter version of the original color is **26.7772, 31.6083, 8.9647**, and **2.9801, 3.8580, 0.5876** is the 20% darker color. If you saturate the color by 10%, you get **10.7478, 13.1922, 1.9799**, and if you desaturate by 10%, it is **10.8405, 13.2332, 2.2877**.

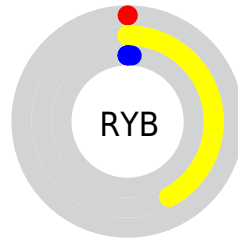
Distribution



Red (40%)

Green (42%)

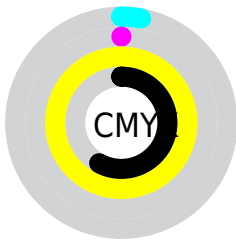
Blue (0%)



Red (0%)

Yellow (42%)

Blue (1%)

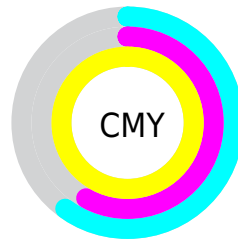


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (60%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7476, 13.1916, 1.9798 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 10.7476, 13.1916, 1.9798 by changing the saturation by 10% instead.

■ 10.7476, 13.1916,
1.9798

■ 10.7476, 13.1916,
1.9798

■ 189.8719,
212.1420, 122.0623

■ 5.9634, 7.5606,
0.5428

■ 26.8296, 31.6476,
8.9855

■ 2.8633, 3.8151,
0.0000

■ 38.8581, 45.2414,
15.4497

■ 1.0819, 1.5707,
0.0000

■ 54.0321, 62.2582,
24.4462

■ 0.0099, 0.3377,
0.0000

■ 72.7170, 83.0825,
36.3936


■ 0.0000, 0.0000,
0.0000


■ 95.2780, 108.0986,
51.7104


■ 122.0806,


137.6910, 70.8150


 153.4901,
172.2440, 94.1262


 10.7476, 13.1916,
1.9798


 10.7476, 13.1916,
1.9798


 10.7478, 13.1922,
1.9799

 10.8405, 13.2332,
2.2877

 10.9543, 13.2828,
2.7061

 11.1099, 13.3490,
3.3439

 11.3119, 13.4338,
4.2257

 11.5644, 13.5389,
5.3729

■ 11.8711, 13.6656,
6.8043

■ 12.2351, 13.8153,
8.5372

■ 12.6595, 13.9891,
10.5875

■ 13.1471, 14.1883,
12.9699

Harmonies

Analogous

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



14.6529, 13.1916, 2.0050



10.7476, 13.1916, 1.9798



7.9736, 13.1916, 3.8348

Triad

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



10.7476, 13.1916, 1.9798



7.9075, 13.1916, 35.3490



21.2625, 13.1916, 20.9079

Complementary

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



10.7476, 13.1916, 1.9798



2.6394, 1.0602, 13.7019

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.



18.5783, 13.1916, 35.8193



10.7476, 13.1916, 1.9798



10.6374, 13.1916, 46.6820

Square

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



10.7476, 13.1916, 1.9798



6.5804, 13.1916, 20.4605



14.5174, 13.1916, 46.8886



21.3092, 13.1916, 9.6166

Rectangle

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



10.7476, 13.1916, 1.9798



6.9051, 13.1916, 6.9518



14.5174, 13.1916, 46.8886



20.6174, 13.1916, 25.7535

Sweetspot

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



10.7479, 13.1922, 1.9801



21.4144, 24.2214, 14.7073



5.9635, 3.1028, 0.2848



4.9690, 5.6544, 3.2187



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.7479, 13.1922, 1.9801



18.8451, 23.1429, 3.4738



6.5316, 11.0186, 1.7828



3.3251, 3.5794, 3.3331



13.3328, 16.3685, 2.4567



67.8068, 83.3378, 12.5120

Inverse Universe

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



2.6394, 1.0602, 13.7019



4.6146, 1.8515, 24.0452



4.1648, 1.8466, 13.7733



2.9556, 3.0289, 3.8637



3.2701, 1.3129, 17.0033



16.5377, 6.6251, 86.6333

Previews

White Background



This preview shows how the XYZ color 10.7476, 13.1916, 1.9798 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



This preview shows how the XYZ color 10.7476, 13.1916, 1.9798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

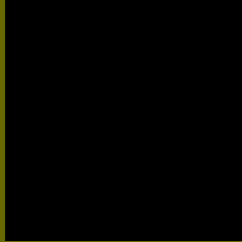
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7476, 13.1916, 1.9798

Background



This preview shows how black text looks on a background with the XYZ color 10.7476, 13.1916, 1.9798.



This preview shows how white text looks on a background with the XYZ color 10.7476, 13.1916,

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

10.7476, 13.1916, 1.9798

Protanopia

11.8216, 13.1476, 1.9147

Deuteranopia

13.2780, 13.1791, 2.3743



Tritanopia

13.4938, 13.2793, 15.4876

Trichromacy



Original Color

10.7476, 13.1916, 1.9798

Protanomaly

11.4058, 13.0800, 1.9235

Deuteranomaly

12.2253, 13.0604, 2.1932

Tritanomaly

11.8279, 13.0338, 7.2026

Monochromacy



Original Color

10.7476, 13.1916, 1.9798

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0869, 11.5925, 5.8436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7476, 13.1916, 1.9798 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(103, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 106, 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(103, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.7476, 13.1916, 1.9798 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(103, 106, 0) }
```


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

```
.border{ border-color:rgb(103, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(103, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7476, 13.1916, 1.9798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 106, 0) }
```

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

```
.background{ background-color: rgb(103,  
106, 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](#).

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