

Converting Colors

XYZ(16.7382, 18.2255, 2.6357)

Have a look what the booklet for
XYZ(16.7382, 18.2255, 2.6357)
contains.

XYZ(16.7950, 18.2752, 2.6423)	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(16.7950, 18.2752,
2.6423)**

Conversions

Conversions Part 1

Format	Color
Hex	897600
RGB	137, 118, 0
RGB Percent	54%, 46%, 0%
CMY	0.4627, 0.5372, 1.0000
CMYK	0.00, 0.14, 1.00, 0.46
HSL	52°, 100%, 27%
HSV	52°, 100%, 54%
XYZ	16.7950, 18.2752, 2.6423
YIQ	110.2290, 49.2020, -32.6700

Conversions

Conversions Part 2

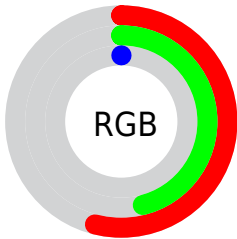
Format	Color
R_{YB}	22, 137, 0
Decimal	9008640
CIE Lab	49.83, -3.17, 55.59
CIE LCh	50, 55.684, 93.260
Yxy	18.2752, 0.4453, 0.4846
Android (android.graphics.Color)	4287198720 (0xFF897600)
YUV	110.2290, -54.3429, 23.4782
Hunter-Lab	42.7495, -4.6843, 26.2600

Details

The XYZ color **16.7950, 18.2752, 2.6423** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.7484, 2.2721, 23.8552**, and the grayscale version is **15.0290, 15.8117, 17.2189**.

A 20% lighter version of the original color is **37.5483, 40.5890, 10.7059**, and **5.7574, 6.2193, 0.8970** is the 20% darker color. If you saturate the color by 10%, you get **16.7952, 18.2758, 2.6424**, and if you desaturate by 10%, it is **17.0987, 18.7590, 3.1248**.

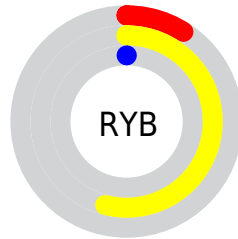
Distribution



Red (54%)

Green (46%)

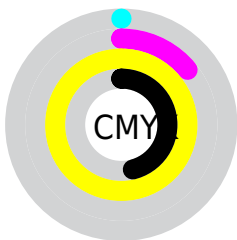
Blue (0%)



Red (9%)

Yellow (54%)

Blue (0%)

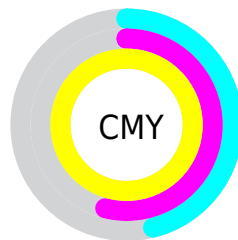


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7950, 18.2752, 2.6423 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 16.7950, 18.2752, 2.6423 by changing the saturation by 10% instead.

■ 16.7950, 18.2752,
2.6423

■ 16.7950, 18.2752,
2.6423

227.1676,
242.4177, 131.6657

■ 10.1828, 11.1477,
0.9142

■ 37.5194, 40.5057,
10.7322

■ 5.5835, 6.1663,
0.0000

■ 52.3623, 56.3775,
17.9320

■ 2.6318, 2.9465,
0.0000

■ 70.6795, 75.9330,
27.7930

■ 0.9622, 1.1038,
0.0000


■ 92.8364, 99.5564,
40.7338


■ 0.0000, 0.0000,
0.0000


■ 119.1983,
127.6321, 57.1729


■ 150.1306,


160.5447, 77.5289


 185.9985,
198.6784, 102.2203


 16.7950, 18.2752,
2.6423


 16.7950, 18.2752,
2.6423


 16.7952, 18.2758,
2.6424

 17.0987, 18.7590,
3.1248

 17.4545, 19.2701,
3.8614

 17.8891, 19.8201,
4.9906

 18.4116, 20.4126,
6.5600

 19.0299, 21.0508,
8.6107

■ 19.7508, 21.7374,
11.1790

■ 20.5805, 22.4750,
14.2976

■ 21.5248, 23.2659,
17.9966

■ 22.5891, 24.1124,
22.3038

Harmonies

Analogous

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



22.3897, 18.2752, 3.5293



16.7950, 18.2752, 2.6423



12.3435, 18.2752, 4.0815

Triad

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



16.7950, 18.2752, 2.6423



10.1452, 18.2752, 40.6706



28.1969, 18.2752, 36.1997

Complementary

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



16.7950, 18.2752, 2.6423



4.7484, 2.2721, 23.8552

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.



23.6039, 18.2752, 55.8100



16.7950, 18.2752, 2.6423



13.1630, 18.2752, 59.1880

Square

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



16.7950, 18.2752, 2.6423



9.0299, 18.2752, 21.6108



17.9580, 18.2752, 65.8002



29.7110, 18.2752, 18.2793

Rectangle

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



16.7950, 18.2752, 2.6423



10.3962, 18.2752, 7.0176



17.9580, 18.2752, 65.8002



26.9214, 18.2752, 43.0629

Sweetspot

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



16.7954, 18.2761, 2.6427



36.7505, 40.1575, 25.1995



10.4479, 5.3711, 1.1742



8.1177, 8.8975, 5.1762



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7954, 18.2761, 2.6427



29.9891, 32.5523, 4.7026



13.0706, 20.0178, 3.1752



5.3729, 5.7287, 5.3750



15.6512, 17.0367, 2.4635



0.1115, 0.1283, 0.0189

Inverse Universe

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



4.7484, 2.2721, 23.8552



8.4285, 3.9192, 42.6954



5.7323, 2.4336, 23.8345



4.8270, 4.9969, 6.3159



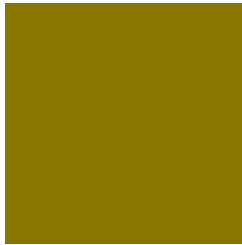
4.4287, 2.1277, 22.2230



0.0356, 0.0265, 0.1497

Previews

White Background



This preview shows how the XYZ color 16.7950, 18.2752, 2.6423 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 16.7950, 18.2752, 2.6423 looks on a black 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

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

XYZ 16.7950, 18.2752, 2.6423

Background



This preview shows how black text looks on a background with the XYZ color 16.7950, 18.2752, 2.6423.

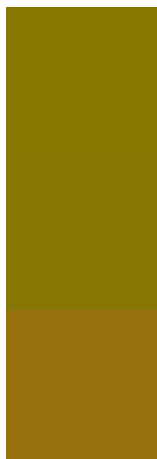


This preview shows how white text looks on a background with the XYZ color 16.7950, 18.2752,

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

16.7950, 18.2752, 2.6423

Protanopia

16.4503, 18.2707, 2.7745

Deuteranopia

18.5621, 18.3260, 2.9744



Tritanopia

20.3475, 18.3892, 19.6166

Trichromacy



Original Color

16.7950, 18.2752, 2.6423

Protanomaly

16.6049, 18.3511, 2.7531

Deuteranomaly

17.8571, 18.3009, 2.8497

Tritanomaly

18.1596, 17.9810, 9.1702

Monochromacy



Original Color

16.7950, 18.2752, 2.6423

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7563, 16.2455, 8.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7950, 18.2752, 2.6423 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(137, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 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(137, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7950, 18.2752, 2.6423 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(137, 118, 0) }
```


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

```
.border{ border-color:rgb(137, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7950, 18.2752, 2.6423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 0) }
```

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

```
.background{ background-color: rgb(137,  
118, 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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