

Converting Colors

XYZ(15.7941, 18.8590, 2.8077)

Have a look what the booklet for
XYZ(15.7941, 18.8590, 2.8077)
contains.

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Color

**XYZ(15.8118, 18.8509,
2.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7C00
RGB	126, 124, 0
RGB Percent	49%, 49%, 0%
CMY	0.5059, 0.5137, 1.0000
CMYK	0.00, 0.02, 1.00, 0.51
HSL	59°, 100%, 25%
HSV	59°, 100%, 49%
XYZ	15.8118, 18.8509, 2.8052
YIQ	110.4620, 40.9960, -38.1400

Conversions

Conversions Part 2

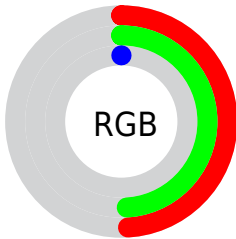
Format	Color
R_{YB}	2, 126, 0
Decimal	8289280
CIE Lab	50.51, -11.70, 55.61
CIE LCh	51, 56.824, 101.883
Yxy	18.8509, 0.4220, 0.5031
Android (android.graphics.Color)	4286479360 (0xFF7E7C00)
YUV	110.4620, -54.4578, 13.6268
Hunter-Lab	43.4176, -10.9748, 26.5616

Details

The XYZ color **15.8118, 18.8509, 2.8052** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7877, 1.5499, 19.8380**, and the grayscale version is **15.0984, 15.8847, 17.2985**.

A 20% lighter version of the original color is **35.7709, 41.3774, 11.1023**, and **5.3321, 6.5854, 0.9901** is the 20% darker color. If you saturate the color by 10%, you get **15.8122, 18.8517, 2.8054**, and if you desaturate by 10%, it is **15.9074, 18.9299, 3.1831**.

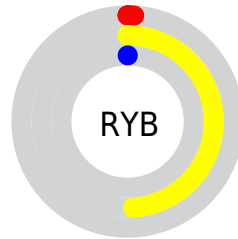
Distribution



Red (49%)

Green (49%)

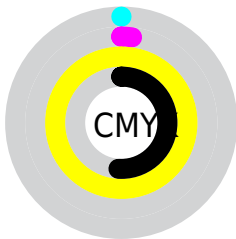
Blue (0%)



Red (1%)

Yellow (49%)

Blue (0%)

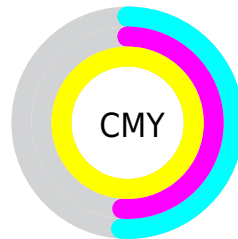


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8118, 18.8509, 2.8052 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 15.8118, 18.8509, 2.8052 by changing the saturation by 10% instead.

■ 15.8118, 18.8509,
2.8052

■ 15.8118, 18.8509,
2.8052

■ 221.5209,
245.6244, 133.8396

■ 9.4811, 11.5626,
0.9960

■ 35.8313, 41.4820,
11.1439

■ 5.1159, 6.4466,
0.0000

■ 50.2507, 57.5936,
18.5104

■ 2.3509, 3.1185,
0.0000

■ 68.0971, 77.4151,
28.5666

■ 0.8205, 1.1939,
0.0000

■ 89.7358, 101.3308,
41.7308


■ 0.0000, 0.0567,
0.0000


■ 115.5322,
129.7252, 58.4217


■ 0.0000, 0.0000,
0.0000


■ 145.8516,


162.9827, 79.0577


 181.0594,
201.4876, 104.0575


 15.8118, 18.8509,
2.8052


 15.8118, 18.8509,
2.8052


 15.8122, 18.8517,
2.8054

 15.9074, 18.9299,
3.1831

 16.0400, 19.0231,
3.7579

 16.2342, 19.1410,
4.6564

 16.4972, 19.2865,
5.9171

 16.8353, 19.4621,
7.5729

■ 17.2541, 19.6701,
9.6534

■ 17.7586, 19.9125,
12.1851

■ 18.3534, 20.1911,
15.1923

■ 19.0430, 20.5076,
18.6979

Harmonies

Analogous

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



21.4386, 18.8509, 3.0393



15.8118, 18.8509, 2.8052



11.7042, 18.8509, 5.1587

Triad

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



15.8118, 18.8509, 2.8052



11.0981, 18.8509, 48.3774



30.0703, 18.8509, 31.5508

Complementary

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



15.8118, 18.8509, 2.8052



3.7877, 1.5499, 19.8380

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.



26.0126, 18.8509, 52.6536



15.8118, 18.8509, 2.8052



14.8042, 18.8509, 65.3263

Square

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



15.8118, 18.8509, 2.8052



9.3830, 18.8509, 27.4709



20.2017, 18.8509, 67.2024



30.4958, 18.8509, 14.8620

Rectangle

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



15.8118, 18.8509, 2.8052



10.0675, 18.8509, 9.2423



20.2017, 18.8509, 67.2024



29.0523, 18.8509, 38.5247

Sweetspot

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



15.8122, 18.8518, 2.8056



31.1914, 35.0185, 21.1066



8.6157, 4.4404, 0.4635



7.0223, 7.9308, 4.4360



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.8122, 18.8518, 2.8056



27.8229, 33.1630, 4.9347



9.6476, 16.0489, 2.5895



4.6597, 5.0081, 4.6412



16.2216, 19.3397, 2.8780



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.7877, 1.5499, 19.8380



6.6569, 2.7076, 34.9161



5.6845, 2.4955, 19.9205



4.1139, 4.2218, 5.4113



3.8854, 1.5892, 20.3519



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8118, 18.8509, 2.8052 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8118, 18.8509, 2.8052 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 15.8118, 18.8509, 2.8052

Background



This preview shows how black text looks on a background with the XYZ color 15.8118, 18.8509, 2.8052.



This preview shows how white text looks on a background with the XYZ color 15.8118, 18.8509,

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

15.8118, 18.8509, 2.8052

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.0754, 18.7537, 3.1867



Tritanopia

19.6003, 18.7850, 21.6616

Trichromacy



Original Color

15.8118, 18.8509, 2.8052

Protanomaly

16.4753, 18.8246, 2.7652

Deuteranomaly

17.8665, 18.8207, 3.0077

Tritanomaly

17.2498, 18.3467, 10.0292

Monochromacy



Original Color

15.8118, 18.8509, 2.8052

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4387, 16.4167, 8.2021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8118, 18.8509, 2.8052 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(126, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 124, 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(126, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8118, 18.8509, 2.8052 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(126, 124, 0) }
```


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

```
.border{ border-color:rgb(126, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8118, 18.8509, 2.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 124, 0) }
```

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

```
.background{ background-color: rgb(126,  
124, 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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