

Converting Colors

XYZ(15.8202, 18.5767, 3.7965)

Have a look what the booklet for
XYZ(15.8202, 18.5767, 3.7965)
contains.

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Color

**XYZ(15.8850, 18.6807,
3.8054)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7B1B
RGB	126, 123, 27
RGB Percent	49%, 48%, 11%
CMY	0.5059, 0.5176, 0.8941
CMYK	0.00, 0.02, 0.79, 0.51
HSL	58°, 65%, 30%
HSV	58°, 79%, 49%
XYZ	15.8850, 18.6807, 3.8054
YIQ	112.9530, 32.6040, -29.2200

Conversions

Conversions Part 2

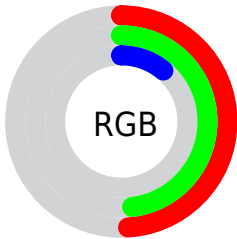
Format	Color
RYB	30, 126, 27
Decimal	8289051
CIELab	50.31, -10.41, 48.94
CIELCh	50, 50.036, 102.010
Yxy	18.6807, 0.4140, 0.4868
Android (android.graphics.Color)	4286479131 (0xFF7E7B1B)
YUV	112.9530, -42.3748, 11.4422
Hunter-Lab	43.2212, -10.0333, 25.0346

Details

The XYZ color **15.8850, 18.6807, 3.8054** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6822, 2.6679, 20.0068**, and the grayscale version is **15.7976, 16.6203, 18.0995**.

A 20% lighter version of the original color is **35.8340, 41.0629, 13.6267**, and **5.3401, 6.4880, 0.9709** is the 20% darker color. If you saturate the color by 10%, you get **15.7224, 18.5408, 3.1800**, and if you desaturate by 10%, it is **16.1113, 18.8477, 4.7611**.

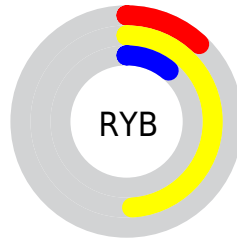
Distribution



Red (49%)

Green (48%)

Blue (11%)



Red (12%)

Yellow (49%)

Blue (11%)

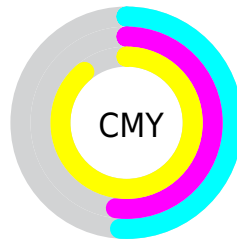


Cyan (0%)

Magenta (2%)

Yellow (79%)

Black (51%)



Cyan (51%)

Magenta (52%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8850, 18.6807, 3.8054 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 15.8850, 18.6807, 3.8054 by changing the saturation by 10% instead.

■ 15.8850, 18.6807,
3.8054

■ 15.8850, 18.6807,
3.8054

221.9459,
244.6803, 146.0372

■ 9.5331, 11.4398,
1.5192

■ 35.9575, 41.1939,
13.5584

■ 5.1504, 6.3635,
0.2322

■ 50.4089, 57.2349,
21.8623

■ 2.3714, 3.0673,
0.0000

■ 68.2908, 76.9781,
33.0092

■ 0.8308, 1.1670,
0.0000

■ 89.9686, 100.8078,
47.4176

■ 0.0000, 0.0345,
0.0000

■ 115.8076,
129.1085, 65.5060

■ 0.0000, 0.0000,
0.0000

■ 146.1733,

162.2646, 87.6931

181.4310,
200.6604, 114.3973

15.8850, 18.6807,
3.8054

15.8850, 18.6807,
3.8054

15.7224, 18.5408,
3.1800

16.1113, 18.8477,
4.7611

15.6032, 18.4179,
2.7844

16.4070, 19.0422,
6.0837

15.5866, 18.4005,
2.7301

16.7788, 19.2673,
7.8059

17.2321, 19.5254,
9.9567

17.7720, 19.8184,
12.5623

■ 18.4031, 20.1481,
15.6469

■ 19.1295, 20.5163,
19.2329

■ 19.9553, 20.9245,
23.3414

■ 20.8843, 21.3743,
27.9921

Harmonies

Analogous

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



20.7939, 18.6807, 4.0462



15.8850, 18.6807, 3.8054



12.2175, 18.6807, 6.2505

Triad

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



15.8850, 18.6807, 3.8054



11.6891, 18.6807, 43.9585



28.1827, 18.6807, 29.7531

Complementary

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



15.8850, 18.6807, 3.8054



4.6822, 2.6679, 20.0068

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.



24.7557, 18.6807, 47.3345



15.8850, 18.6807, 3.8054



15.0284, 18.6807, 57.7787

Square

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



15.8850, 18.6807, 3.8054



10.1075, 18.6807, 26.4183



19.7672, 18.6807, 59.2372



28.5267, 18.6807, 15.2740

Rectangle

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



15.8850, 18.6807, 3.8054



10.7288, 18.6807, 10.2049



19.7672, 18.6807, 59.2372



27.3277, 18.6807, 35.6238

Sweetspot

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



15.8854, 18.6816, 3.8058



31.7083, 35.1095, 24.1850



9.2344, 5.3149, 1.7879



7.1409, 7.9484, 5.1523



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.



15.8854, 18.6816, 3.8058



27.5210, 32.4734, 5.0987



10.9502, 16.6976, 3.6830



4.6546, 4.9978, 4.6395



15.9898, 18.8761, 2.8007



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6822, 2.6679, 20.0068



6.9143, 3.0406, 34.9668



6.9209, 3.7147, 20.0908



4.1185, 4.2310, 5.4129



3.9053, 1.6291, 20.3586



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8850, 18.6807, 3.8054 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 15.8850, 18.6807, 3.8054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

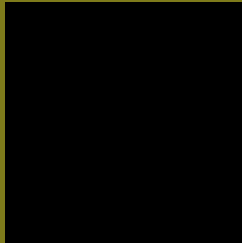
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8850, 18.6807, 3.8054

Background



This preview shows how black text looks on a background with the XYZ color 15.8850, 18.6807, 3.8054.



This preview shows how white text looks on a background with the XYZ color 15.8850, 18.6807,

3.8054.

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

15.8850, 18.6807, 3.8054

Protanopia

16.8946, 18.6584, 3.6883

Deuteranopia

18.8557, 18.6229, 3.9673



Tritanopia

19.6003, 18.7850, 21.6616

Trichromacy



Original Color

15.8850, 18.6807, 3.8054

Protanomaly

16.5395, 18.6549, 3.7063

Deuteranomaly

17.5801, 18.4790, 3.8685

Tritanomaly

17.6417, 18.5034, 12.0929

Monochromacy



Original Color

15.8850, 18.6807, 3.8054

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3555, 17.1833, 10.4900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8850, 18.6807, 3.8054 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, 123, 27)` looks like.

```
.text, #text, p{  
    color:rgb(126, 123, 27)  
}
```

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, 123, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 123, 27) }
```

Border

The CSS property to change the border of an element to XYZ 15.8850, 18.6807, 3.8054 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, 123, 27) }
```


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

```
.border{ border-color:rgb(126, 123, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 123, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 123, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 123, 27);  
box-shadow:4px 4px 4px 4px rgb(126, 123,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8850, 18.6807, 3.8054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 123, 27) }
```

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

```
.background{ background-color: rgb(126,  
123, 27) }
```

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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