

Converting Colors

XYZ(15.8733, 18.8205, 3.8836)

Have a look what the booklet for
XYZ(15.8733, 18.8205, 3.8836)
contains.

XYZ(15.8747, 18.8591, 3.9021)	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(15.8747, 18.8591,
3.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7C1C
RGB	125, 124, 28
RGB Percent	49%, 49%, 11%
CMY	0.5098, 0.5137, 0.8902
CMYK	0.00, 0.01, 0.78, 0.51
HSL	59°, 63%, 30%
HSV	59°, 78%, 49%
XYZ	15.8747, 18.8591, 3.9021
YIQ	113.3550, 31.4120, -29.6440

Conversions

Conversions Part 2

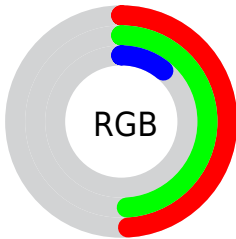
Format	Color
R_{YB}	29, 125, 28
Decimal	8223772
CIE _{Lab}	50.52, -11.38, 48.75
CIE _{LCh}	51, 50.064, 103.136
Yxy	18.8591, 0.4109, 0.4881
Android (android.graphics.Color)	4286413852 (0xFF7D7C1C)
YUV	113.3550, -42.0800, 10.2127
Hunter-Lab	43.4271, -10.7470, 25.0715

Details

The XYZ color **15.8747, 18.8591, 3.9021** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6200, 2.6063, 19.6615**, and the grayscale version is **15.9169, 16.7458, 18.2362**.

A 20% lighter version of the original color is **35.7957, 41.3332, 13.6809**, and **5.2637, 6.4486, 0.9673** is the 20% darker color. If you saturate the color by 10%, you get **15.7393, 18.7799, 3.2663**, and if you desaturate by 10%, it is **16.0732, 18.9650, 4.8662**.

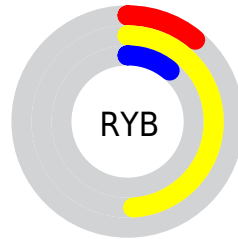
Distribution



Red (49%)

Green (49%)

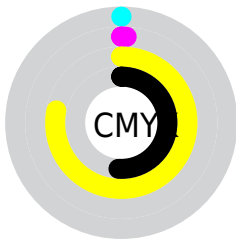
Blue (11%)



Red (11%)

Yellow (49%)

Blue (11%)

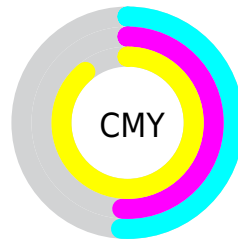


Cyan (0%)

Magenta (1%)

Yellow (78%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8747, 18.8591, 3.9021 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 15.8747, 18.8591, 3.9021 by changing the saturation by 10% instead.

■ 15.8747, 18.8591,
3.9021

■ 15.8747, 18.8591,
3.9021

221.8862,
245.6698, 147.1309

■ 9.5258, 11.5685,
1.5718

■ 35.9397, 41.4959,
13.7833

■ 5.1455, 6.4506,
0.2706

■ 50.3866, 57.6109,
22.1713

■ 2.3685, 3.1210,
0.0000

■ 68.2635, 77.4361,
33.4157

■ 0.8294, 1.1952,
0.0000

■ 89.9358, 101.3560,
47.9348

■ 0.0000, 0.0578,
0.0000

■ 115.7689,
129.7549, 66.1474

■ 0.0000, 0.0000,
0.0000

■ 146.1281,

163.0172, 88.4719

181.3787,
201.5274, 115.3269

15.8747, 18.8591,
3.9021

15.8747, 18.8591,
3.9021

15.7393, 18.7799,
3.2663

16.0732, 18.9650,
4.8662

15.6498, 18.7184,
2.8744

16.3404, 19.0976,
6.1936

15.6295, 18.7041,
2.7865

16.6826, 19.2604,
7.9162

17.1053, 19.4553,
10.0621

17.6132, 19.6843,
12.6568

■ 18.2108, 19.9493,
15.7237

■ 18.9022, 20.2518,
19.2848

■ 19.6914, 20.5935,
23.3604

■ 20.5820, 20.9758,
27.9700

Harmonies

Analogous

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



20.7891, 18.8591, 4.0537



15.8747, 18.8591, 3.9021



12.2412, 18.8591, 6.4986

Triad

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



15.8747, 18.8591, 3.9021



11.9093, 18.8591, 44.9532



28.4955, 18.8591, 29.3645

Complementary

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



15.8747, 18.8591, 3.9021



4.6200, 2.6063, 19.6615

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.



25.1416, 18.8591, 47.0708



15.8747, 18.8591, 3.9021



15.3369, 18.8591, 58.5147

Square

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



15.8747, 18.8591, 3.9021



10.2481, 18.8591, 27.2719



20.1447, 18.8591, 59.4293



28.7113, 18.8591, 15.0093

Rectangle

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



15.8747, 18.8591, 3.9021



10.7859, 18.8591, 10.6226



20.1447, 18.8591, 59.4293



27.6733, 18.8591, 35.2394

Sweetspot

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



15.8751, 18.8600, 3.9025



31.9538, 35.4339, 24.7805



9.1023, 5.2825, 1.7429



7.1976, 8.0285, 5.2743



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.



15.8751, 18.8600, 3.9025



28.0653, 33.5472, 5.3257



10.6948, 16.3757, 3.6960



4.6617, 5.0121, 4.6419



16.3123, 19.5210, 2.9082



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6200, 2.6063, 19.6615



6.9162, 3.0130, 34.9614



7.0097, 3.8026, 19.7664



4.1121, 4.2182, 5.4107



3.8777, 1.5738, 20.3493



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8747, 18.8591, 3.9021 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 15.8747, 18.8591, 3.9021 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 15.8747, 18.8591, 3.9021

Background



This preview shows how black text looks on a background with the XYZ color 15.8747, 18.8591, 3.9021.



This preview shows how white text looks on a background with the XYZ color 15.8747, 18.8591,

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

15.8747, 18.8591, 3.9021

Protanopia

17.0269, 18.9048, 3.7885

Deuteranopia

19.0543, 18.7237, 4.0486



Tritanopia

19.6199, 18.9580, 22.0272

Trichromacy



Original Color

15.8747, 18.8591, 3.9021

Protanomaly

16.5174, 18.8235, 3.7996

Deuteranomaly

17.8811, 18.8066, 3.9839

Tritanomaly

17.6482, 18.6777, 12.3478

Monochromacy



Original Color

15.8747, 18.8591, 3.9021

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2204, 17.1137, 10.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8747, 18.8591, 3.9021 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(125, 124, 28)` looks like.

```
.text, #text, p{  
    color:rgb(125, 124, 28)  
}
```

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(125, 124, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 124, 28) }
```

Border

The CSS property to change the border of an element to XYZ 15.8747, 18.8591, 3.9021 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(125, 124, 28) }
```


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

```
.border{ border-color:rgb(125, 124, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 124, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 124, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 124, 28);  
box-shadow:4px 4px 4px 4px rgb(125, 124,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8747, 18.8591, 3.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 124, 28) }
```

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

```
.background{ background-color: rgb(125,  
124, 28) }
```

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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