

Converting Colors

XYZ(21.8634, 16.7945, 3.0094)

Have a look what the booklet for
XYZ(21.8634, 16.7945, 3.0094)
contains.

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Color

**XYZ(21.8210, 16.7825,
3.0089)**

Conversions

Conversions Part 1

Format	Color
Hex	B05B19
RGB	176, 91, 25
RGB Percent	69%, 36%, 10%
CMY	0.3098, 0.6431, 0.9020
CMYK	0.00, 0.48, 0.86, 0.31
HSL	26°, 75%, 39%
HSV	26°, 86%, 69%
XYZ	21.8210, 16.7825, 3.0089
YIQ	108.8910, 71.8460, -2.5060

Conversions

Conversions Part 2

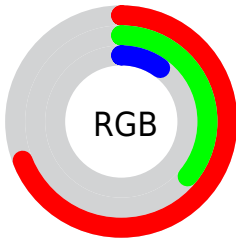
Format	Color
RYB	176, 142, 25
Decimal	11557657
CIELab	47.98, 30.36, 49.85
CIELCh	48, 58.371, 58.656
Yxy	16.7825, 0.5244, 0.4033
Android (android.graphics.Color)	4289747737 (0xFFB05B19)
YUV	108.8910, -41.3583, 58.8546
Hunter-Lab	40.9664, 23.3877, 24.3218

Details

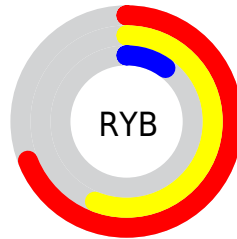
The XYZ color **21.8210, 16.7825, 3.0089** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.8126, 14.4919, 43.1430**, and the grayscale version is **14.6048, 15.3654, 16.7329**.

A 20% lighter version of the original color is **45.8681, 37.8585, 11.5465**, and **8.2000, 5.5097, 0.6313** is the 20% darker color. If you saturate the color by 10%, you get **20.8947, 15.1459, 2.0347**, and if you desaturate by 10%, it is **22.9783, 18.6919, 4.6442**.

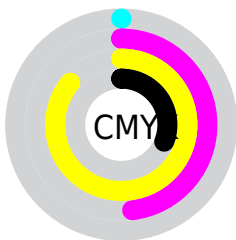
Distribution



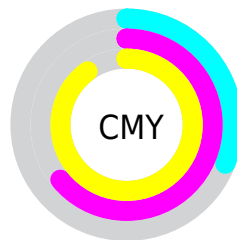
- Red (69%)
- Green (36%)
- Blue (10%)



- Red (69%)
- Yellow (56%)
- Blue (10%)



- Cyan (0%)
- Magenta (48%)
- Yellow (86%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8210, 16.7825, 3.0089 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 21.8210, 16.7825, 3.0089 by changing the saturation by 10% instead.

■ 21.8210, 16.7825,
3.0089

■ 21.8210, 16.7825,
3.0089

254.2600,
233.9159, 136.4739

■ 13.8413, 10.0795,
1.0992

■ 45.9310, 37.9514,
11.6504

■ 8.0913, 5.4517,
0.0000

■ 62.7921, 53.1862,
19.2192

■ 4.2057, 2.5147,
0.0000

■ 83.3443, 72.0337,
29.5116

■ 1.8192, 0.8840,
0.0000

■ 107.9530, 94.8783,
42.9459

■ 0.5292, 0.0000,
0.0000

■ 136.9835,
122.1044, 59.9407

■ 0.0000, 0.0000,
0.0000

■ 170.8013,

154.0965, 80.9146

209.7717,
191.2388, 106.2862

21.8210, 16.7825,
3.0089

21.8210, 16.7825,
3.0089

20.8947, 15.1459,
2.0347

22.9783, 18.6919,
4.6442

20.5535, 14.5284,
1.7210

24.3900, 20.8878,
7.0492

26.0764, 23.3854,
10.3099

28.0551, 26.1975,
14.5003

30.3420, 29.3363,
19.6863

■ 32.9516, 32.8130,
25.9280

■ 35.8974, 36.6383,
33.2803

■ 39.1922, 40.8224,
41.7944

■ 42.8479, 45.3748,
51.5185

Harmonies

Analogous

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



26.5917, 16.7825, 7.5944



21.8210, 16.7825, 3.0089



16.1901, 16.7825, 1.9097

Triad

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



21.8210, 16.7825, 3.0089



7.8173, 16.7825, 17.6012



21.3178, 16.7825, 57.3739

Complementary

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



21.8210, 16.7825, 3.0089



13.8126, 14.4919, 43.1430

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.



15.7148, 16.7825, 65.3152



21.8210, 16.7825, 3.0089



8.6121, 16.7825, 36.0109

Square

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



21.8210, 16.7825, 3.0089



8.7706, 16.7825, 6.9568



11.2416, 16.7825, 55.9271



26.2590, 16.7825, 37.8955

Rectangle

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



21.8210, 16.7825, 3.0089



12.9259, 16.7825, 2.2662



11.2416, 16.7825, 55.9271



19.4153, 16.7825, 61.8347

Sweetspot

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



21.8214, 16.7834, 3.0092



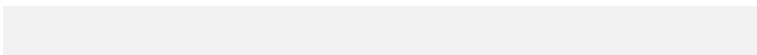
59.4329, 59.0769, 46.2165



21.0974, 11.0635, 15.9377



12.5228, 12.3304, 9.1510



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8214, 16.7834, 3.0092



37.0608, 25.9162, 3.0490



31.7037, 36.5481, 6.3033



8.7918, 9.0961, 8.9449



15.1369, 10.7724, 1.2815



0.5347, 0.4558, 0.0598

Inverse Universe

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



13.8126, 14.4919, 43.1430



22.0868, 21.4331, 77.4682



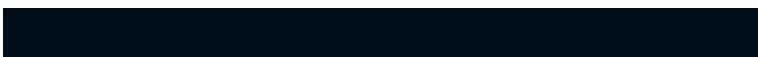
8.8403, 4.5473, 41.4856



8.4255, 8.9972, 10.7989



9.0871, 8.9747, 31.3903



0.3427, 0.3960, 1.0066

Previews

White Background



This preview shows how the XYZ color 21.8210, 16.7825, 3.0089 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 21.8210, 16.7825, 3.0089 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 21.8210, 16.7825, 3.0089

Background



This preview shows how black text looks on a background with the XYZ color 21.8210, 16.7825, 3.0089.



This preview shows how white text looks on a background with the XYZ color 21.8210, 16.7825,

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

21.8210, 16.7825, 3.0089

Protanopia

15.4313, 17.0275, 3.7696

Deuteranopia

17.2250, 16.9887, 2.7868



Tritanopia

23.7272, 16.8360, 11.8966

Trichromacy



Original Color

21.8210, 16.7825, 3.0089

Protanomaly

17.2299, 16.5078, 3.4406

Deuteranomaly

18.5709, 16.6143, 2.8004

Tritanomaly

22.7814, 16.6866, 7.3303

Monochromacy



Original Color

21.8210, 16.7825, 3.0089

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.7994, 15.0393, 9.2779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8210, 16.7825, 3.0089 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(176, 91, 25)` looks like.

```
.text, #text, p{  
    color:rgb(176, 91, 25)  
}
```

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(176, 91, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 91, 25) }
```

Border

The CSS property to change the border of an element to XYZ 21.8210, 16.7825, 3.0089 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(176, 91, 25) }
```


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

```
.border{ border-color:rgb(176, 91, 25) }
```

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

Here you see how a box with a 4 pixel rgb(176, 91, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 91, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 91, 25);  
box-shadow:4px 4px 4px 4px rgb(176, 91,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8210, 16.7825, 3.0089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 91, 25) }
```

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

```
.background{ background-color: rgb(176, 91,  
25) }
```

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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