

Converting Colors

XYZ(28.4270, 19.8857, 2.3407)

Have a look what the booklet for
XYZ(28.4270, 19.8857, 2.3407)
contains.

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Color

**XYZ(28.3916, 19.8168,
2.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5800
RGB	204, 88, 0
RGB Percent	80%, 35%, 0%
CMY	0.2000, 0.6549, 1.0000
CMYK	0.00, 0.57, 1.00, 0.20
HSL	26°, 100%, 40%
HSV	26°, 100%, 80%
XYZ	28.3916, 19.8168, 2.3286
YIQ	112.6520, 97.3840, -2.7760

Conversions

Conversions Part 2

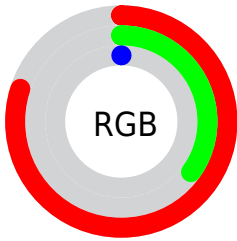
Format	Color
RYB	204, 155, 0
Decimal	13391872
CIELab	51.63, 42.73, 61.09
CIElCh	52, 74.549, 55.028
Yxy	19.8168, 0.5618, 0.3921
Android (android.graphics.Color)	4291581952 (0xFFCC5800)
YUV	112.6520, -55.5374, 80.1122
Hunter-Lab	44.5161, 35.9412, 28.0598

Details

The XYZ color **28.3916, 19.8168, 2.3286** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.1440, 16.8495, 59.4751**, and the grayscale version is **15.7328, 16.5521, 18.0252**.

A 20% lighter version of the original color is **51.6344, 40.6576, 9.6837**, and **11.7862, 7.0125, 0.7324** is the 20% darker color. If you saturate the color by 10%, you get **28.3918, 19.8176, 2.3288**, and if you desaturate by 10%, it is **29.5511, 21.9283, 3.3559**.

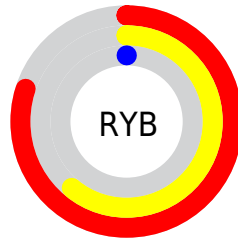
Distribution



Red (80%)

Green (35%)

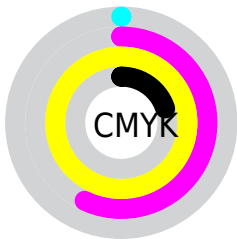
Blue (0%)



Red (80%)

Yellow (61%)

Blue (0%)

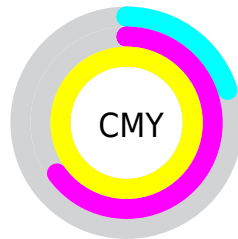


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3916, 19.8168, 2.3286 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 28.3916, 19.8168, 2.3286 by changing the saturation by 10% instead.


 28.3916, 19.8168,
2.3286


 28.3916, 19.8168,
2.3286


286.3797,
250.9216, 127.2871


 18.7630, 12.2619,
0.7472


 56.5133, 43.1098,
9.9211


 11.6022, 6.9223,
0.0000


 75.7372, 59.6168,
16.7852

 6.5437, 3.4136,
0.0000


 98.8902, 79.8766,
26.2525

 3.2222, 1.3513,
0.0000

 126.3377,
104.2736, 38.7417

 1.2723, 0.1804,
0.0000

 158.4450,
133.1922, 54.6712

 0.1623, 0.0000,
0.0000


 195.5776,


 0.0000, 0.0000,


167.0168, 74.4595


0.0000


 238.1007,
206.1318, 98.5253


 28.3916, 19.8168,
2.3286


 28.3916, 19.8168,
2.3286

 28.3918, 19.8176,
2.3288

 29.5511, 21.9283,
3.3559

 31.0055, 24.4099,
5.1573

 32.8084, 27.2941,
7.9828

 34.9908, 30.6028,
11.9665

 37.5797, 34.3558,
17.2220

■ 40.5990, 38.5712,
23.8489

■ 44.0706, 43.2661,
31.9370

■ 48.0146, 48.4565,
41.5684

■ 52.4500, 54.1575,
52.8187

Harmonies

Analogous

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



35.1976, 19.8168, 8.3774



28.3916, 19.8168, 2.3286



20.1158, 19.8168, 1.0326

Triad

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



28.3916, 19.8168, 2.3286



7.7953, 19.8168, 18.1851



25.6340, 19.8168, 84.9960

Complementary

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



28.3916, 19.8168, 2.3286



17.1440, 16.8495, 59.4751

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.



17.6103, 19.8168, 94.6435



28.3916, 19.8168, 2.3286



8.5413, 19.8168, 44.2482

Square

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



28.3916, 19.8168, 2.3286



9.3021, 19.8168, 5.4867



11.7072, 19.8168, 76.3591



33.3314, 19.8168, 55.0535

Rectangle

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



28.3916, 19.8168, 2.3286



15.3314, 19.8168, 1.2077



11.7072, 19.8168, 76.3591



22.8361, 19.8168, 91.3083

Sweetspot

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



28.3920, 19.8179, 2.3289



72.7454, 71.3328, 52.3177



28.2316, 14.1693, 18.7001



15.0276, 14.5391, 9.9174



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.3920, 19.8179, 2.3289



46.8166, 32.4133, 3.7889



42.6720, 48.3779, 7.0889



11.6037, 11.9963, 11.7834



17.9590, 12.6509, 1.4953



1.0014, 0.8024, 0.1021

Inverse Universe

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



17.1440, 16.8495, 59.4751



28.1744, 27.4688, 98.4248



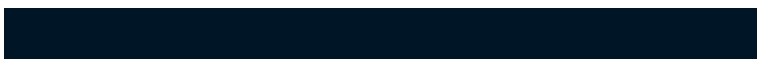
11.0996, 4.7606, 57.4603



11.1223, 11.8850, 14.2782



10.8846, 10.7932, 37.4659



0.6360, 0.7058, 1.9577

Previews

White Background



This preview shows how the XYZ color 28.3916, 19.8168, 2.3286 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 28.3916, 19.8168, 2.3286 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 28.3916, 19.8168, 2.3286

Background



This preview shows how black text looks on a background with the XYZ color 28.3916, 19.8168, 2.3286.



This preview shows how white text looks on a background with the XYZ color 28.3916, 19.8168,

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

28.3916, 19.8168, 2.3286

Protanopia

17.9727, 19.9513, 3.5198

Deuteranopia

20.0716, 19.7905, 2.7621



Tritanopia

30.1912, 19.8445, 11.2559

Trichromacy



Original Color

28.3916, 19.8168, 2.3286

Protanomaly

20.8551, 19.1820, 2.9511

Deuteranomaly

22.3876, 19.1923, 2.5245

Tritanomaly

29.0368, 19.5956, 5.8664

Monochromacy



Original Color

28.3916, 19.8168, 2.3286

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.9741, 16.4795, 8.3644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3916, 19.8168, 2.3286 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(204, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 88, 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(204, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.3916, 19.8168, 2.3286 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(204, 88, 0) }
```


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

```
.border{ border-color:rgb(204, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.3916, 19.8168, 2.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 88, 0) }
```

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

```
.background{ background-color: rgb(204, 88,  
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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