

Converting Colors

XYZ(28.3035, 19.7958, 3.5153)

Have a look what the booklet for
XYZ(28.3035, 19.7958, 3.5153)
contains.

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Color

**XYZ(28.3401, 19.7647,
3.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	CB581D
RGB	203, 88, 29
RGB Percent	80%, 35%, 11%
CMY	0.2039, 0.6549, 0.8863
CMYK	0.00, 0.57, 0.86, 0.20
HSL	20°, 75%, 45%
HSV	20°, 86%, 80%
XYZ	28.3401, 19.7647, 3.4837
YIQ	115.6590, 87.4790, 6.0310

Conversions

Conversions Part 2

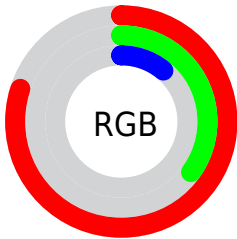
Format	Color
R_{YB}	203, 118, 29
Decimal	13326365
CIE _{Lab}	51.57, 42.78, 53.01
CIE _{LCh}	52, 68.119, 51.092
Yxy	19.7647, 0.5493, 0.3831
Android (android.graphics.Color)	4291516445 (0xFFCB581D)
YUV	115.6590, -42.7229, 76.5981
Hunter-Lab	44.4575, 35.9868, 26.4743

Details

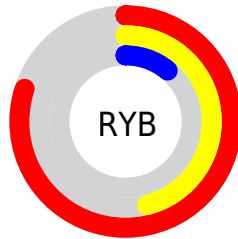
The XYZ color **28.3401, 19.7647, 3.4837** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **21.2585, 24.5177, 60.1114**, and the grayscale version is **16.6047, 17.4694, 19.0242**.

A 20% lighter version of the original color is **52.1762, 40.8743, 12.5367**, and **11.7862, 7.0125, 0.7324** is the 20% darker color. If you saturate the color by 10%, you get **27.1645, 17.6924, 2.2331**, and if you desaturate by 10%, it is **29.8841, 22.3105, 5.6706**.

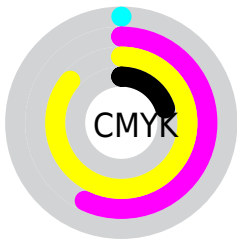
Distribution



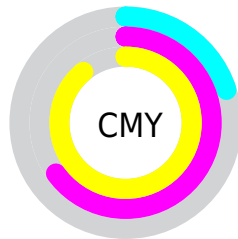
- Red (80%)
- Green (35%)
- Blue (11%)



- Red (80%)
- Yellow (46%)
- Blue (11%)



- Cyan (0%)
- Magenta (57%)
- Yellow (86%)
- Black (20%)





- Cyan (20%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3401, 19.7647, 3.4837 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 28.3401, 19.7647, 3.4837 by changing the saturation by 10% instead.

 28.3401, 19.7647,
3.4837


 28.3401, 19.7647,
3.4837


286.1392,
250.6384, 142.3011

 18.7240, 12.2241,
1.3466


 56.4318, 43.0223,
12.8003


 11.5738, 6.8965,
0.0995


 75.6381, 59.5082,
20.8170

 6.5243, 3.3975,
0.0000


 98.7718, 79.7446,
31.6305

 3.2101, 1.3426,
0.0000

 126.1983,
104.1159, 45.6596

 1.2658, 0.1738,
0.0000

 158.2829,
133.0065, 63.3226

 0.1574, 0.0000,
0.0000

 195.3911,

 0.0000, 0.0000,

166.8009, 85.0382

0.0000

237.8880,
205.8834, 111.2248

28.3401, 19.7647,
3.4837

28.3401, 19.7647,
3.4837

27.1645, 17.6924,
2.2331

29.8841, 22.3105,
5.6706

26.7467, 16.9330,
1.8587

31.8338, 25.3584,
8.9456

34.2222, 28.9379,
13.4329

37.0780, 33.0749,
19.2395

40.4273, 37.7933,
26.4603

■ 44.2939, 43.1157,
35.1815

■ 48.7001, 49.0632,
45.4824

■ 53.6668, 55.6561,
57.4365

■ 59.2138, 62.9134,
71.1129

Harmonies

Analogous

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



33.9627, 19.7647, 10.5935



28.3401, 19.7647, 3.4837



20.9016, 19.7647, 1.6212

Triad

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



28.3401, 19.7647, 3.4837



8.5408, 19.7647, 16.1883



23.9397, 19.7647, 79.4495

Complementary

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



28.3401, 19.7647, 3.4837



21.2585, 24.5177, 60.1114

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.



16.8177, 19.7647, 84.5069



28.3401, 19.7647, 3.4837



8.9761, 19.7647, 38.1645

Square

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



28.3401, 19.7647, 3.4837



10.2823, 19.7647, 5.4521



11.6636, 19.7647, 66.2886



31.0228, 19.7647, 55.0029

Rectangle

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



28.3401, 19.7647, 3.4837



16.3623, 19.7647, 1.6662



11.6636, 19.7647, 66.2886



21.4375, 19.7647, 83.8864

Sweetspot

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



28.3405, 19.7658, 3.4840



73.7326, 71.6008, 57.9078



30.1787, 15.6196, 28.2125



15.2780, 14.6357, 11.2468



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.



28.3405, 19.7658, 3.4840



44.6058, 27.9916, 3.0519



39.9862, 43.0571, 7.3659



11.5181, 11.8251, 11.7548



17.0978, 10.9286, 1.2083



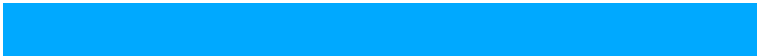
0.9521, 0.7039, 0.0857

Inverse Universe

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



21.2585, 24.5177, 60.1114



32.1498, 35.4196, 99.7499



12.7993, 7.5993, 57.2916



11.2104, 12.0613, 14.3076



12.3866, 13.7972, 37.9665



0.7075, 0.8488, 1.9815

Previews

White Background



This preview shows how the XYZ color 28.3401, 19.7647, 3.4837 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 28.3401, 19.7647, 3.4837 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 28.3401, 19.7647, 3.4837

Background



This preview shows how black text looks on a background with the XYZ color 28.3401, 19.7647, 3.4837.



This preview shows how white text looks on a background with the XYZ color 28.3401, 19.7647,

3.4837.

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

28.3401, 19.7647, 3.4837

Protanopia

18.0387, 19.9585, 4.7354

Deuteranopia

20.1320, 19.8147, 3.0801



Tritanopia

29.9556, 19.7183, 11.4597

Trichromacy



Original Color

28.3401, 19.7647, 3.4837

Protanomaly

20.8881, 19.1716, 4.1897

Deuteranomaly

22.4968, 19.2360, 3.0995

Tritanomaly

29.0853, 19.5833, 7.5572

Monochromacy



Original Color

28.3401, 19.7647, 3.4837

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.9670, 17.2441, 10.7163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3401, 19.7647, 3.4837 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(203, 88, 29)` looks like.

```
.text, #text, p{  
    color:rgb(203, 88, 29)  
}
```

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(203, 88, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 88, 29) }
```

Border

The CSS property to change the border of an element to XYZ 28.3401, 19.7647, 3.4837 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(203, 88, 29) }
```


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

```
.border{ border-color:rgb(203, 88, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 88, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 88, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 88, 29);  
box-shadow:4px 4px 4px 4px rgb(203, 88,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3401, 19.7647, 3.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 88, 29) }
```

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

```
.background{ background-color: rgb(203, 88,  
29) }
```

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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