

Converting Colors

XYZ(31.3790, 23.8030, 17.0872)

Have a look what the booklet for
XYZ(31.3790, 23.8030, 17.0872)
contains.

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Color

**XYZ(31.3580, 23.8136,
17.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	C66C6C
RGB	198, 108, 108
RGB Percent	78%, 42%, 42%
CMY	0.2235, 0.5764, 0.5765
CMYK	0.00, 0.45, 0.45, 0.22
HSL	0°, 44%, 60%
HSV	0°, 45%, 78%
XYZ	31.3580, 23.8136, 17.1311
YIQ	134.9100, 53.6400, 19.0800

Conversions

Conversions Part 2

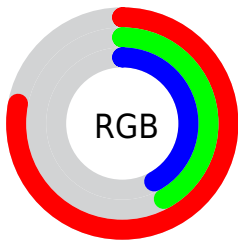
Format	Color
R_{YB}	198, 108, 108
Decimal	13003884
CIE Lab	55.90, 35.58, 16.00
CIE LCh	56, 39.008, 24.210
Yxy	23.8136, 0.4337, 0.3294
Android (android.graphics.Color)	4291193964 (0xFFC66C6C)
YUV	134.9100, -13.2666, 55.3299
Hunter-Lab	48.7992, 29.3042, 13.3455

Details

The XYZ color **31.3580, 23.8136, 17.1311** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.5703, 47.6511, 60.6960**, and the grayscale version is **23.0301, 24.2295, 26.3859**.

A 20% lighter version of the original color is **60.2429, 49.2529, 39.1325**, and **13.3399, 9.0258, 5.4539** is the 20% darker color. If you saturate the color by 10%, you get **28.5651, 19.7271, 11.5784**, and if you desaturate by 10%, it is **34.8655, 28.9464, 24.1030**.

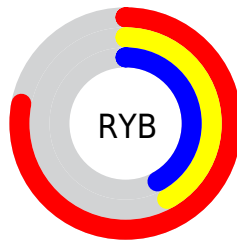
Distribution



Red (78%)

Green (42%)

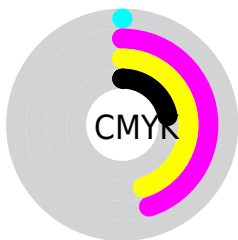
Blue (42%)



Red (78%)

Yellow (42%)

Blue (42%)

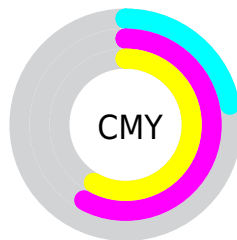


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3580, 23.8136, 17.1311 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 31.3580, 23.8136, 17.1311 by changing the saturation by 10% instead.


 31.3580, 23.8136,
17.1311


 31.3580, 23.8136,
17.1311


299.9818,
271.8767, 247.9962


 21.0248, 15.1954,
10.1651


 61.1753, 49.7259,
39.3448

 13.2547, 8.9566,
5.4015


 81.3900, 67.7887,
55.4295

 7.6824, 4.7129,
2.4219


 105.6294, 89.7686,
75.3909

 3.9425, 2.0798,
0.7983

 134.2586,
116.0498, 99.6474

 1.6696, 0.6532,
0.0000

167.6431,
147.0169, 128.6177

 0.4371, 0.0000,
0.0000

206.1482,

 0.0000, 0.0000,

183.0541, 162.7202

0.0000

250.1393,
224.5459, 202.3735

■ 31.3580, 23.8136,
17.1311

■ 31.3580, 23.8136,
17.1311

■ 28.5651, 19.7271,
11.5784

■ 34.8655, 28.9464,
24.1030

■ 26.4362, 16.6118,
7.3463

■ 39.1302, 35.1869,
32.5810

■ 24.9166, 14.3882,
4.3257


■ 44.1933, 42.5957,
42.6463


■ 23.9427, 12.9629,
2.3897


■ 50.0928, 51.2283,
54.3743


■ 23.4357, 12.2211,
1.3822

■ 56.8640, 61.1365,
67.8354

 23.2887, 12.0060,
1.0899

 64.5404, 72.3691,
83.0959

 73.1534, 84.9723,
100.2186

 77.0986, 90.7457,
108.0599

Harmonies

Analogous

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



32.2462, 23.8136, 28.4775



31.3580, 23.8136, 17.1311



28.0092, 23.8136, 10.7110

Triad

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



31.3580, 23.8136, 17.1311



16.3852, 23.8136, 14.0872



21.7828, 23.8136, 58.6996

Complementary

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



31.3580, 23.8136, 17.1311



36.5703, 47.6511, 60.6960

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.



17.9948, 23.8136, 51.2823



31.3580, 23.8136, 17.1311



15.1515, 23.8136, 23.5372

Square

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



31.3580, 23.8136, 17.1311



19.3071, 23.8136, 9.3989



15.6998, 23.8136, 37.3172



26.3229, 23.8136, 55.2723

Rectangle

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



31.3580, 23.8136, 17.1311



25.0403, 23.8136, 8.7878



15.6998, 23.8136, 37.3172



20.3872, 23.8136, 57.3332

Sweetspot

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



31.3586, 23.8148, 17.1315



79.4761, 77.2111, 77.9395



38.8443, 26.8082, 56.5530



16.5556, 15.8598, 15.7767



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.



31.3586, 23.8148, 17.1315



50.4233, 34.6984, 20.1842



37.3867, 35.8710, 19.1409



10.6339, 10.6370, 11.0554



15.1453, 7.8079, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



36.5703, 47.6511, 60.6960



60.8449, 82.3629, 107.2985



27.7687, 30.0479, 57.7621



10.9467, 12.0675, 13.6698



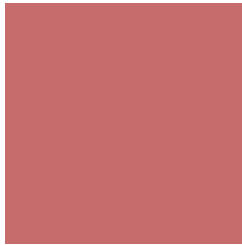
19.7599, 28.9137, 39.2838



0.9356, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 31.3580, 23.8136, 17.1311 looks on a white background.

Color Contrast Check

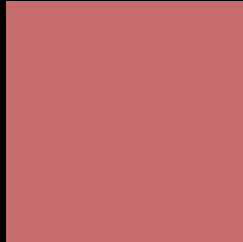
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3580, 23.8136, 17.1311 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 31.3580, 23.8136, 17.1311

Background



This preview shows how black text looks on a background with the XYZ color 31.3580, 23.8136, 17.1311.



This preview shows how white text looks on a background with the XYZ color 31.3580, 23.8136,

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

31.3580, 23.8136, 17.1311

Protanopia

22.7915, 24.0061, 21.5216

Deuteranopia

24.4495, 23.9691, 16.4346



Tritanopia

31.9054, 23.8953, 19.1503

Trichromacy



Original Color

31.3580, 23.8136, 17.1311

Protanomaly

25.1839, 23.5053, 19.7326

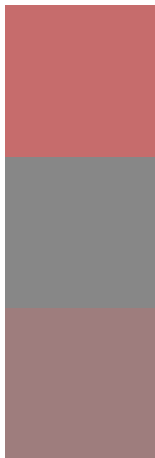
Deuteranomaly

26.6208, 23.5789, 16.5127

Tritanomaly

31.7355, 23.8274, 18.2557

Monochromacy



Original Color

31.3580, 23.8136, 17.1311

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.1358, 23.4170, 22.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3580, 23.8136, 17.1311 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(198, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 108, 108)  
}
```

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(198, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 108, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.3580, 23.8136, 17.1311 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(198, 108, 108) }
```


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

```
.border{ border-color:rgb(198, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 108, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 108, 108); box-shadow:4px 4px 4px 4px rgb(198, 108, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3580, 23.8136, 17.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 108, 108) }
```

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

```
.background{ background-color: rgb(198,  
108, 108) }
```

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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