

Converting Colors

XYZ(27.7950, 18.3742, 9.5861)

Have a look what the booklet for
XYZ(27.7950, 18.3742, 9.5861)
contains.

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Color

**XYZ(27.8698, 18.4586,
9.6834)**

Conversions

Conversions Part 1

Format	Color
Hex	C75050
RGB	199, 80, 80
RGB Percent	78%, 31%, 31%
CMY	0.2196, 0.6862, 0.6863
CMYK	0.00, 0.60, 0.60, 0.22
HSL	0°, 52%, 55%
HSV	0°, 60%, 78%
XYZ	27.8698, 18.4586, 9.6834
YIQ	115.5810, 70.9240, 25.2280

Conversions

Conversions Part 2

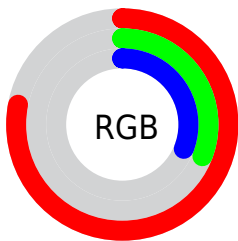
Format	Color
R_{YB}	199, 80, 80
Decimal	13062224
CIE _{Lab}	50.05, 47.49, 24.60
CIE _{LCh}	50, 53.483, 27.388
Yxy	18.4586, 0.4976, 0.3295
Android (android.graphics.Color)	4291252304 (0xFFC75050)
YUV	115.5810, -17.5414, 73.1585
Hunter-Lab	42.9635, 40.6044, 16.7112

Details

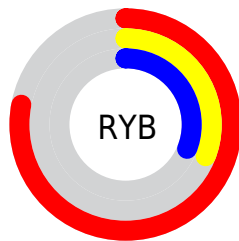
The XYZ color **27.8698, 18.4586, 9.6834** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.0389, 46.6727, 61.2472**, and the grayscale version is **16.5097, 17.3695, 18.9154**.

A 20% lighter version of the original color is **53.7275, 39.8952, 25.6377**, and **11.2572, 6.2231, 2.1980** is the 20% darker color. If you saturate the color by 10%, you get **25.9929, 15.7124, 5.9518**, and if you desaturate by 10%, it is **30.3967, 22.1566, 14.7060**.

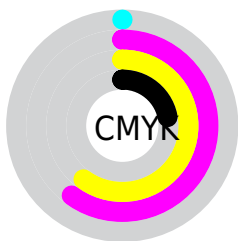
Distribution



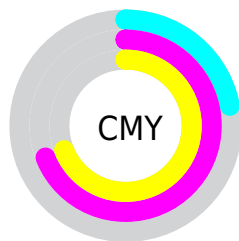
- Red (78%)
- Green (31%)
- Blue (31%)



- Red (78%)
- Yellow (31%)
- Blue (31%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (22%)





- Cyan (22%)
- Magenta (69%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8698, 18.4586, 9.6834 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 27.8698, 18.4586, 9.6834 by changing the saturation by 10% instead.


 27.8698, 18.4586,
9.6834


 27.8698, 18.4586,
9.6834


283.9356,
243.4434, 198.7993


 18.3675, 11.2797,
5.0867


 55.6866, 40.8172,
25.7967


 11.3154, 6.2553,
2.2386


 74.7318, 56.7658,
38.1504

 6.3483, 3.0009,
0.6965


 97.6887, 76.4064,
53.9269

 3.1006, 1.1322,
0.0000

 124.9226,
100.1234, 73.5446

 1.2072, 0.0053,
0.0000

 156.7989,
128.3012, 97.4222

 0.1120, 0.0000,
0.0000

193.6829,

 0.0000, 0.0000,

161.3242, 125.9781

0.0000

235.9400,
199.5768, 159.6310

■ 27.8698, 18.4586,
9.6834

■ 27.8698, 18.4586,
9.6834

■ 25.9929, 15.7124,
5.9518

■ 30.3967, 22.1566,
14.7060

■ 24.7054, 13.8284,
3.3925

■ 33.6242, 26.8794,
21.1220

■ 23.9377, 12.7050,
1.8666

■ 37.5995, 32.6964,
29.0247

■ 23.5597, 12.1519,
1.1153

■ 42.3654, 39.6702,
38.4990

■ 23.5532, 12.1423,
1.1023

■ 47.9613, 47.8587,
49.6236

■ 54.4241, 57.3156,
62.4715

■ 61.7885, 68.0918,
77.1118

■ 70.0873, 80.2351,
93.6096

■ 77.3631, 90.8820,
108.0723

Harmonies

Analogous

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



29.3916, 18.4586, 21.4167



27.8698, 18.4586, 9.6834



23.4312, 18.4586, 4.4372

Triad

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



27.8698, 18.4586, 9.6834



10.4639, 18.4586, 8.3735



17.0975, 18.4586, 63.7347

Complementary

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



27.8698, 18.4586, 9.6834



34.0389, 46.6727, 61.2472

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.



12.7366, 18.4586, 54.6326



27.8698, 18.4586, 9.6834



9.4045, 18.4586, 18.8351

Square

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



27.8698, 18.4586, 9.6834



13.3776, 18.4586, 3.9822



10.1479, 18.4586, 36.1419



22.4972, 18.4586, 57.1852

Rectangle

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



27.8698, 18.4586, 9.6834



19.7931, 18.4586, 3.1943



10.1479, 18.4586, 36.1419



15.4727, 18.4586, 62.3337

Sweetspot

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



27.8702, 18.4596, 9.6837



75.5866, 71.5196, 70.2074



36.7305, 22.0030, 56.3436



15.6055, 14.4695, 13.8879



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.



27.8702, 18.4596, 9.6837



44.6696, 26.2789, 8.7467



34.3063, 31.3317, 11.8291



10.6339, 10.6370, 11.0554



15.1453, 7.8078, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



34.0389, 46.6727, 61.2472



56.4348, 80.0885, 107.0919



22.9223, 24.4394, 57.5417



10.9467, 12.0675, 13.6698



19.7600, 28.9139, 39.2838



0.9357, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 27.8698, 18.4586, 9.6834 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 27.8698, 18.4586, 9.6834 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 27.8698, 18.4586, 9.6834

Background



This preview shows how black text looks on a background with the XYZ color 27.8698, 18.4586, 9.6834.



This preview shows how white text looks on a background with the XYZ color 27.8698, 18.4586,

9.6834.

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

27.8698, 18.4586, 9.6834

Protanopia

17.5069, 18.5687, 13.9707

Deuteranopia

18.9304, 18.5488, 9.0611



Tritanopia

27.9494, 18.3742, 10.4610

Trichromacy



Original Color

27.8698, 18.4586, 9.6834

Protanomaly

20.0768, 17.6308, 12.2425

Deuteranomaly

21.5729, 18.0239, 9.1794

Tritanomaly

27.9105, 18.3586, 10.2561

Monochromacy



Original Color

27.8698, 18.4586, 9.6834

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.1525, 16.7908, 15.0635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8698, 18.4586, 9.6834 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(199, 80, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 80, 80)  
}
```

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(199, 80, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 80, 80) }
```

Border

The CSS property to change the border of an element to XYZ 27.8698, 18.4586, 9.6834 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(199, 80, 80) }
```


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

```
.border{ border-color:rgb(199, 80, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 80, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 80, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 80, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 80,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8698, 18.4586, 9.6834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 80, 80) }
```

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

```
.background{ background-color: rgb(199, 80,  
80) }
```

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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