

# Converting Colors

XYZ(28.2156, 18.5114, 10.4734)

Have a look what the booklet for  
XYZ(28.2156, 18.5114, 10.4734)  
contains.

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# Color

**XYZ(28.2156, 18.5114,  
10.4734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C84F54
RGB	200, 79, 84
RGB Percent	78%, 31%, 33%
CMY	0.2157, 0.6902, 0.6706
CMYK	0.00, 0.60, 0.58, 0.22
HSL	358°, 52%, 55%
HSV	358°, 60%, 78%
XYZ	28.2156, 18.5114, 10.4734
YIQ	115.7490, 70.5110, 27.2070

# Conversions

## Conversions Part 2

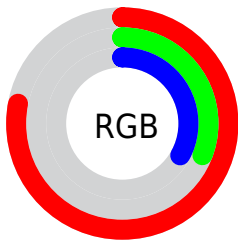
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 79, 84
Decimal	13127508
CIE <sub>Lab</sub>	50.11, 48.58, 22.35
CIE <sub>LCh</sub>	50, 53.478, 24.700
Yxy	18.5114, 0.4933, 0.3236
Android (android.graphics.Color)	4291317588 (0xFFC84F54)
YUV	115.7490, -15.6523, 73.8881
Hunter-Lab	43.0249, 41.7663, 15.6846

# Details

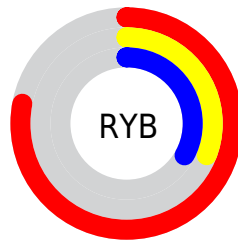
The XYZ color **28.2156, 18.5114, 10.4734** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **33.7303, 46.9113, 58.9106**, and the grayscale version is **16.5556, 17.4178, 18.9680**.

A 20% lighter version of the original color is **53.9306, 39.7563, 27.3855**, and **11.4496, 6.2583, 2.5240** is the 20% darker color. If you saturate the color by 10%, you get **26.3327, 15.7876, 6.6341**, and if you desaturate by 10%, it is **30.7388, 22.1872, 15.5405**.

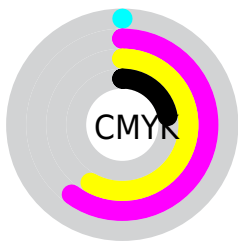
# Distribution



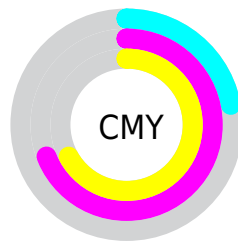
- Red (78%)
- Green (31%)
- Blue (33%)



- Red (78%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (58%)
- Black (22%)




- Cyan (22%)
- Magenta (69%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2156, 18.5114, 10.4734 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 28.2156, 18.5114, 10.4734 by changing the saturation by 10% instead.





 28.2156, 18.5114,  
10.4734


 28.2156, 18.5114,  
10.4734


285.5571,  
243.7380, 204.6243


 18.6295, 11.3178,  
5.6043


 56.2347, 40.9068,  
27.3038


 11.5053, 6.2810,  
2.5411


 75.3985, 56.8774,  
40.1021

 6.4776, 3.0167,  
0.8618


 98.4855, 76.5424,  
56.3806

 3.1810, 1.1405,  
0.0000

 125.8611,  
100.2863, 76.5578

 1.2502, 0.0122,  
0.0000

 157.8908,  
128.4934, 101.0522

 0.1454, 0.0000,  
0.0000

194.9397,

 0.0000, 0.0000,

161.5481, 130.2824

0.0000

237.3734,  
199.8348, 164.6669

■ 28.2156, 18.5114,  
10.4734

■ 28.2156, 18.5114,  
10.4734

■ 26.3327, 15.7876,  
6.6341

■ 30.7388, 22.1872,  
15.5405

■ 25.0313, 13.9253,  
3.9174

■ 33.9515, 26.8885,  
21.9267

■ 24.2441, 12.8220,  
2.2025

■ 37.8998, 32.6854,  
29.7157

■ 23.8645, 12.2974,  
1.3528

■ 42.6251, 39.6406,  
38.9840

■ 48.1661, 47.8125,  
49.8026

■ 54.5587, 57.2552,  
62.2379

■ 61.8367, 68.0196,  
76.3525

■ 70.0320, 80.1541,  
92.2056

■ 77.6293, 91.0193,  
108.0847

# Harmonies

## Analogous

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



29.4159, 18.5114, 22.8915



28.2156, 18.5114, 10.4734



23.9619, 18.5114, 4.7365

# Triad

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



28.2156, 18.5114, 10.4734



10.6851, 18.5114, 7.8051



16.6953, 18.5114, 63.6553

# Complementary

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



28.2156, 18.5114, 10.4734



33.7303, 46.9113, 58.9106

# 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.



12.4687, 18.5114, 53.3061



28.2156, 18.5114, 10.4734



9.4594, 18.5114, 17.6471

# Square

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



28.2156, 18.5114, 10.4734



13.7714, 18.5114, 3.8070



10.0422, 18.5114, 34.4863



22.0669, 18.5114, 58.4764



# Rectangle

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



28.2156, 18.5114, 10.4734



20.3400, 18.5114, 3.3072



10.0422, 18.5114, 34.4863



15.1080, 18.5114, 61.7708

# Sweetspot

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



28.2160, 18.5124, 10.4737



75.8222, 71.6129, 71.4506



35.4571, 21.2258, 56.8715



15.6614, 14.4916, 14.1831



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.



28.2160, 18.5124, 10.4737



44.6820, 26.0270, 9.6036



33.6806, 29.7435, 11.3645



10.6513, 10.6439, 11.1471



15.1821, 7.8224, 0.9031



0.7252, 0.3729, 0.0761



# Inverse Universe

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



28.2160, 18.5124, 10.4737



44.6820, 26.0270, 9.6036



23.8604, 26.2529, 58.4530



10.6513, 10.6439, 11.1471



15.1821, 7.8224, 0.9031



0.7252, 0.3729, 0.0761



# Previews

## White Background



This preview shows how the XYZ color 28.2156, 18.5114, 10.4734 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 28.2156, 18.5114, 10.4734 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 28.2156, 18.5114, 10.4734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2156, 18.5114, 10.4734.



This preview shows how white text looks on a background with the XYZ color 28.2156, 18.5114,



# 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

28.2156, 18.5114, 10.4734

### Protanopia

17.7189, 18.8279, 15.2706

### Deuteranopia

19.0075, 18.7408, 9.8233



## Tritanopia

28.2156, 18.5114, 10.4734

# Trichromacy



## Original Color

28.2156, 18.5114, 10.4734

## Protanomaly

20.2540, 17.7017, 13.1757

## Deuteranomaly

21.5092, 17.9744, 9.9252

## Tritanomaly

28.2156, 18.5114, 10.4734

# Monochromacy



## Original Color

28.2156, 18.5114, 10.4734

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

19.3816, 16.9030, 15.3378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2156, 18.5114, 10.4734 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(200, 79, 84)` looks like.

```
.text, #text, p{  
    color:rgb(200, 79, 84)  
}
```

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(200, 79, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 79, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2156, 18.5114, 10.4734 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(200, 79, 84) }
```



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

```
.border{ border-color:rgb(200, 79, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 79, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 79, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 79, 84);  
box-shadow:4px 4px 4px 4px rgb(200, 79,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2156, 18.5114, 10.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 79, 84) }
```

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

```
.background{ background-color: rgb(200, 79,  
84) }
```

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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