

Converting Colors

XYZ(21.3196, 15.8573, 11.2494)

Have a look what the booklet for
XYZ(21.3196, 15.8573, 11.2494)
contains.

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Color

**XYZ(21.3181, 15.8458,
11.1675)**

Conversions

Conversions Part 1

Format	Color
Hex	A85758
RGB	168, 87, 88
RGB Percent	66%, 34%, 35%
CMY	0.3412, 0.6588, 0.6549
CMYK	0.00, 0.48, 0.48, 0.34
HSL	359°, 32%, 50%
HSV	359°, 48%, 66%
XYZ	21.3181, 15.8458, 11.1675
YIQ	111.3330, 47.9550, 17.4830

Conversions

Conversions Part 2

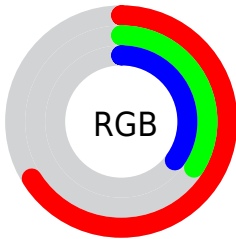
Format	Color
RYB	168, 87, 88
Decimal	11032408
CIELab	46.77, 33.22, 14.61
CIElCh	47, 36.293, 23.735
Yxy	15.8458, 0.4411, 0.3279
Android (android.graphics.Color)	4289222488 (0xFFA85758)
YUV	111.3330, -11.5032, 49.6970
Hunter-Lab	39.8068, 25.9319, 11.2314

Details

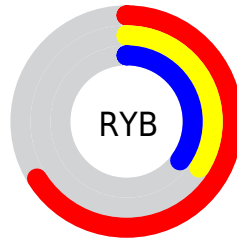
The XYZ color **21.3181, 15.8458, 11.1675** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.9090, 32.8219, 41.5836**, and the grayscale version is **15.2293, 16.0224, 17.4484**.

A 20% lighter version of the original color is **45.1841, 36.4690, 28.7025**, and **7.8112, 5.0054, 2.8399** is the 20% darker color. If you saturate the color by 10%, you get **19.5019, 13.1910, 7.5483**, and if you desaturate by 10%, it is **23.6081, 19.1978, 15.7168**.

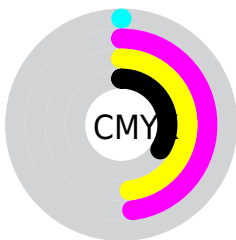
Distribution



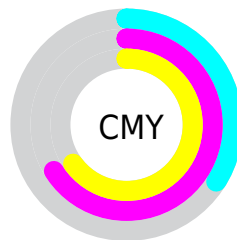
- Red (66%)
- Green (34%)
- Blue (35%)



- Red (66%)
- Yellow (34%)
- Blue (35%)



- Cyan (0%)
- Magenta (48%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (66%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3181, 15.8458, 11.1675 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 21.3181, 15.8458, 11.1675 by changing the saturation by 10% instead.

■ 21.3181, 15.8458,
11.1675

■ 21.3181, 15.8458,
11.1675

251.6641,
228.4301, 209.5916

■ 13.4705, 9.4151,
6.0640

■ 45.1036, 36.3303,
28.6109

■ 7.8326, 5.0129,
2.8146

■ 61.7723, 51.1529,
41.7878

■ 4.0389, 2.2548,
1.0008

■ 82.1120, 69.5416,
58.4930

■ 1.7242, 0.7497,
0.0000

■ 106.4882, 91.8807,
79.1450

■ 0.4713, 0.0000,
0.0000

■ 135.2661,
118.5548, 104.1623

■ 0.0000, 0.0000,
0.0000

168.8111,

149.9481, 133.9635

207.4887,
186.4451, 168.9671

■ 21.3181, 15.8458,
11.1675

■ 21.3181, 15.8458,
11.1675

■ 19.5019, 13.1910,
7.5483

■ 23.6081, 19.1978,
15.7168

■ 18.1252, 11.1822,
4.7942

■ 26.4006, 23.2888,
21.2533

■ 17.1512, 9.7649,
2.8333


■ 29.7234, 28.1601,
27.8306


■ 16.5364, 8.8748,
1.5818


■ 33.6019, 33.8493,
35.4982


■ 16.2086, 8.4011,
0.9118


■ 38.0599, 40.3916,
44.3025

 16.1597, 8.3293,
0.8153

 43.1199, 47.8199,
54.2870

 48.8030, 56.1658,
65.4931

 55.1295, 65.4589,
77.9602

 62.1187, 75.7277,
91.7258

Harmonies

Analogous

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



21.9244, 15.8458, 19.2176



21.3181, 15.8458, 11.1675



18.9379, 15.8458, 6.7013

Triad

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



21.3181, 15.8458, 11.1675



10.6838, 15.8458, 8.8882



14.4092, 15.8458, 40.8973

Complementary

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



21.3181, 15.8458, 11.1675



24.9090, 32.8219, 41.5836

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.



11.7529, 15.8458, 35.3734



21.3181, 15.8458, 11.1675



9.8041, 15.8458, 15.4278

Square

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



21.3181, 15.8458, 11.1675



12.7508, 15.8458, 5.7427



10.1663, 15.8458, 25.2253



17.6345, 15.8458, 38.5192

Rectangle

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



21.3181, 15.8458, 11.1675



16.8230, 15.8458, 5.3792



10.1663, 15.8458, 25.2253



13.4265, 15.8458, 39.8556

Sweetspot

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



21.3185, 15.8466, 11.1678



56.5976, 55.0022, 55.7636



26.3390, 17.8218, 39.0974



12.0275, 11.5358, 11.5443



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.3185, 15.8466, 11.1678



35.1457, 23.5815, 13.2114



25.3493, 23.9738, 12.3093



7.5347, 7.5437, 7.8670



12.2046, 6.2906, 0.6232



0.2981, 0.1535, 0.0211

Inverse Universe

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



21.3185, 15.8466, 11.1678



35.1457, 23.5815, 13.2114



18.8296, 20.5153, 40.0131



7.5347, 7.5437, 7.8670



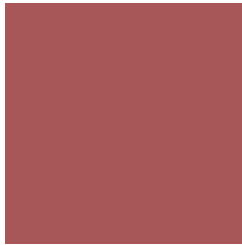
12.2046, 6.2906, 0.6232



0.2981, 0.1535, 0.0211

Previews

White Background



This preview shows how the XYZ color 21.3181, 15.8458, 11.1675 looks on a white background.

Color Contrast Check

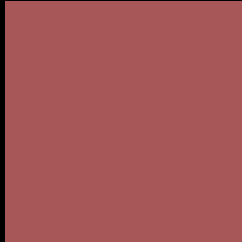
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3181, 15.8458, 11.1675 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3181, 15.8458, 11.1675

Background



This preview shows how black text looks on a background with the XYZ color 21.3181, 15.8458, 11.1675.

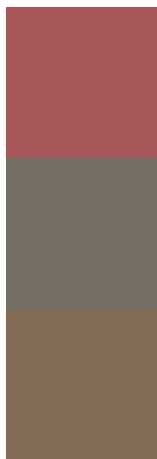


This preview shows how white text looks on a background with the XYZ color 21.3181, 15.8458,

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

21.3181, 15.8458, 11.1675

Protanopia

15.1871, 16.0020, 14.3448

Deuteranopia

16.2575, 15.9966, 10.8251



Tritanopia

21.4080, 15.7531, 12.0375

Trichromacy



Original Color

21.3181, 15.8458, 11.1675

Protanomaly

16.8544, 15.4982, 13.1695

Deuteranomaly

17.7385, 15.7155, 10.9026

Tritanomaly

21.3646, 15.7357, 11.8088

Monochromacy



Original Color

21.3181, 15.8458, 11.1675

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.7153, 15.3875, 14.9211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3181, 15.8458, 11.1675 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(168, 87, 88)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 88)  
}
```

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(168, 87, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.3181, 15.8458, 11.1675 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(168, 87, 88) }
```


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

```
.border{ border-color:rgb(168, 87, 88) }
```

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

Here you see how a box with a 4 pixel rgb(168, 87, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 88);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3181, 15.8458, 11.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 88) }
```

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

```
.background{ background-color: rgb(168, 87,  
88) }
```

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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