

Converting Colors

XYZ(21.5382, 16.4341, 11.1243)

Have a look what the booklet for
XYZ(21.5382, 16.4341, 11.1243)
contains.

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Color

**XYZ(21.6098, 16.4951,
11.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	A85B57
RGB	168, 91, 87
RGB Percent	66%, 36%, 34%
CMY	0.3412, 0.6431, 0.6588
CMYK	0.00, 0.46, 0.48, 0.34
HSL	3°, 32%, 50%
HSV	3°, 48%, 66%
XYZ	21.6098, 16.4951, 11.0617
YIQ	113.5670, 47.1760, 15.0800

Conversions

Conversions Part 2

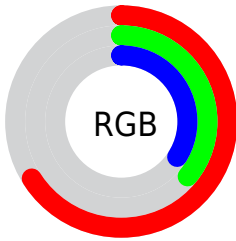
Format	Color
R_{YB}	168, 91, 87
Decimal	11033431
CIE Lab	47.62, 30.96, 16.36
CIE LCh	48, 35.015, 27.861
Yxy	16.4951, 0.4395, 0.3355
Android (android.graphics.Color)	4289223511 (0xFFA85B57)
YUV	113.5670, -13.0975, 47.7377
Hunter-Lab	40.6142, 23.9007, 12.2816

Details

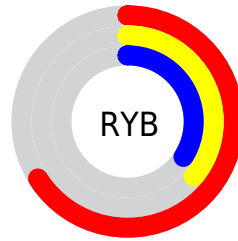
The XYZ color **21.6098, 16.4951, 11.0617** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.2730, 31.4027, 41.8276**, and the grayscale version is **15.8931, 16.7208, 18.2090**.

A 20% lighter version of the original color is **45.7018, 37.6198, 28.5195**, and **7.9280, 5.2678, 2.7894** is the 20% darker color. If you saturate the color by 10%, you get **19.7787, 13.8065, 7.4501**, and if you desaturate by 10%, it is **23.8920, 19.8303, 15.6120**.

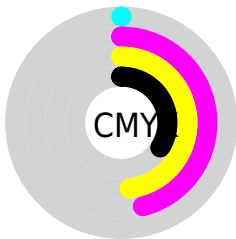
Distribution



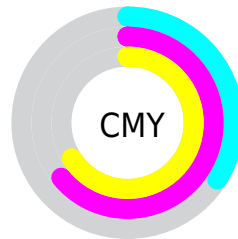
- Red (66%)
- Green (36%)
- Blue (34%)



- Red (66%)
- Yellow (36%)
- Blue (34%)



- Cyan (0%)
- Magenta (46%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (64%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6098, 16.4951, 11.0617 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 21.6098, 16.4951, 11.0617 by changing the saturation by 10% instead.

■ 21.6098, 16.4951,
11.0617

■ 21.6098, 16.4951,
11.0617

253.1726,
232.2457, 208.8430

■ 13.6855, 9.8752,
5.9937

■ 45.5839, 37.4556,
28.4126

■ 7.9825, 5.3163,
2.7725

■ 62.3644, 52.5650,
41.5325

■ 4.1354, 2.4340,
0.9797

■ 82.8276, 71.2730,
58.1735

■ 1.7790, 0.8433,
0.0000

■ 107.3390, 93.9639,
78.7541

■ 0.5050, 0.0000,
0.0000

■ 136.2638,
121.0223, 103.6928

■ 0.0000, 0.0000,
0.0000

169.9674,

152.8325, 133.4081

208.8152,
189.7788, 168.3187

■ 21.6098, 16.4951,
11.0617

■ 21.6098, 16.4951,
11.0617

■ 19.7787, 13.8065,
7.4501

■ 23.8920, 19.8303,
15.6120

■ 18.3676, 11.7203,
4.7108

■ 26.6511, 23.8475,
21.1593

■ 17.3435, 10.1907,
2.7705


■ 29.9126, 28.5826,
27.7582


■ 16.6677, 9.1643,
1.5430


■ 33.6997, 34.0682,
35.4591


■ 16.2863, 8.5744,
0.8828


■ 38.0341, 40.3351,
44.3091

 16.2385, 8.5051,
0.7858

 42.9365, 47.4120,
54.3527

 48.4262, 55.3265,
65.6318

 54.5220, 64.1047,
78.1864

 61.2415, 73.7717,
92.0549

Harmonies

Analogous

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



22.4782, 16.4951, 18.6101



21.6098, 16.4951, 11.0617



19.0951, 16.4951, 6.9780

Triad

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



21.6098, 16.4951, 11.0617



11.1226, 16.4951, 10.2761



15.4550, 16.4951, 41.2151

Complementary

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



21.6098, 16.4951, 11.0617



24.2730, 31.4027, 41.8276

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.



12.6952, 16.4951, 36.8167



21.6098, 16.4951, 11.0617



10.4096, 16.4951, 17.3259

Square

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



21.6098, 16.4951, 11.0617



13.0355, 16.4951, 6.6417



10.9452, 16.4951, 27.2574



18.6556, 16.4951, 37.8625

Rectangle

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



21.6098, 16.4951, 11.0617



16.9753, 16.4951, 5.8466



10.9452, 16.4951, 27.2574



14.4487, 16.4951, 40.5702

Sweetspot

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



21.6102, 16.4959, 11.0620



56.8840, 55.6404, 55.6572



26.3755, 17.8688, 37.7994



12.0969, 11.6904, 11.5186



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.



21.6102, 16.4959, 11.0620



35.6448, 24.6905, 13.0366



25.8780, 25.0315, 12.4846



7.5598, 7.5996, 7.8577



12.2740, 6.4453, 0.5972



0.3076, 0.1748, 0.0175

Inverse Universe

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



24.2730, 31.4027, 41.8276



41.0472, 55.0056, 75.6788



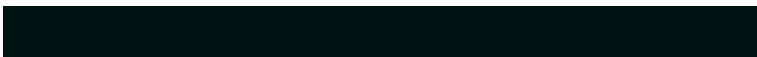
18.3067, 19.4701, 39.8389



7.7153, 8.4675, 9.6461



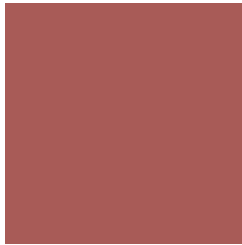
14.8017, 21.0635, 31.2610



0.3694, 0.5310, 0.7637

Previews

White Background



This preview shows how the XYZ color 21.6098, 16.4951, 11.0617 looks on a white background.

Color Contrast Check

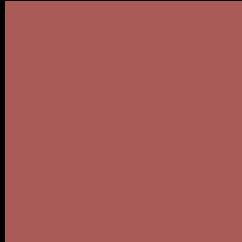
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6098, 16.4951, 11.0617 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 21.6098, 16.4951, 11.0617

Background



This preview shows how black text looks on a background with the XYZ color 21.6098, 16.4951, 11.0617.

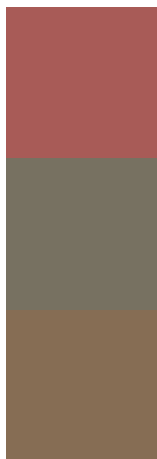


This preview shows how white text looks on a background with the XYZ color 21.6098, 16.4951,

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

21.6098, 16.4951, 11.0617

Protanopia

15.6705, 16.5953, 13.6865

Deuteranopia

16.9004, 16.6457, 10.7097



Tritanopia

22.1297, 16.5919, 13.1025

Trichromacy



Original Color

21.6098, 16.4951, 11.0617

Protanomaly

17.3439, 16.2118, 12.5710

Deuteranomaly

18.2451, 16.2696, 10.7731

Tritanomaly

21.9941, 16.5377, 12.3888

Monochromacy



Original Color

21.6098, 16.4951, 11.0617

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4842, 16.3759, 15.3360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6098, 16.4951, 11.0617 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, 91, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 91, 87)  
}
```

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, 91, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 91, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.6098, 16.4951, 11.0617 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, 91, 87) }
```


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

```
.border{ border-color:rgb(168, 91, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 91, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 91, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 91, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 91,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6098, 16.4951, 11.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 91, 87) }
```

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

```
.background{ background-color: rgb(168, 91,  
87) }
```

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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