

Converting Colors

XYZ(21.1144, 16.0958, 12.2130)

Have a look what the booklet for
XYZ(21.1144, 16.0958, 12.2130)
contains.

XYZ(21.1050, 16.0844, 12.1175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1050, 16.0844,
12.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	A55A5C
RGB	165, 90, 92
RGB Percent	65%, 35%, 36%
CMY	0.3529, 0.6470, 0.6392
CMYK	0.00, 0.45, 0.44, 0.35
HSL	358°, 29%, 50%
HSV	358°, 45%, 65%
XYZ	21.1050, 16.0844, 12.1175
YIQ	112.6530, 44.0580, 16.5220

Conversions

Conversions Part 2

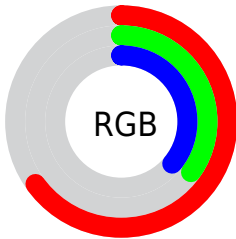
Format	Color
RYB	165, 90, 92
Decimal	10836572
CIELab	47.09, 30.86, 12.57
CIELCh	47, 33.317, 22.158
Yxy	16.0844, 0.4280, 0.3262
Android (android.graphics.Color)	4289026652 (0xFFA55A5C)
YUV	112.6530, -10.1819, 45.9083
Hunter-Lab	40.1054, 23.7493, 10.1598

Details

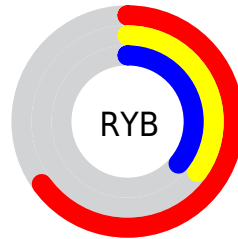
The XYZ color **21.1050, 16.0844, 12.1175** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2833, 31.7286, 39.4966**, and the grayscale version is **15.6138, 16.4269, 17.8889**.

A 20% lighter version of the original color is **44.5316, 36.5323, 30.2956**, and **7.7165, 5.0981, 3.1621** is the 20% darker color. If you saturate the color by 10%, you get **19.2353, 13.3520, 8.3899**, and if you desaturate by 10%, it is **23.4333, 19.4958, 16.7326**.

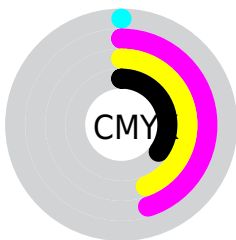
Distribution



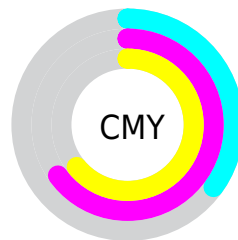
- Red (65%)
- Green (35%)
- Blue (36%)



- Red (65%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (45%)
- Yellow (44%)
- Black (35%)





- Cyan (35%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1050, 16.0844, 12.1175 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 21.1050, 16.0844, 12.1175 by changing the saturation by 10% instead.


 21.1050, 16.0844,
12.1175


 21.1050, 16.0844,
12.1175


250.5571,
229.8392, 216.1871


 13.3137, 9.5839,
6.7002


 44.7522, 36.7447,
30.3765


 7.7234, 5.1240,
3.1998


 61.3387, 51.6732,
44.0554


 3.9688, 2.3202,
1.1975

 81.5878, 70.1799,
61.3251

 1.6845, 0.7844,
0.0000

 105.8646, 92.6491,
82.6044

 0.4465, 0.0000,
0.0000

 134.5346,
119.4653, 108.3117

 0.0000, 0.0000,
0.0000

167.9631,

151.0127, 138.8655

206.5155,
187.6759, 174.6845

■ 21.1050, 16.0844,
12.1175

■ 21.1050, 16.0844,
12.1175

■ 19.2353, 13.3520,
8.3899

■ 23.4333, 19.4958,
16.7326

■ 17.7928, 11.2510,
5.4921

■ 26.2465, 23.6248,
22.2862

■ 16.7442, 9.7317,
3.3609


■ 29.5701, 28.5100,
28.8264


■ 16.0505, 8.7355,
1.9236

■ 33.4278, 34.1865,
36.3979


■ 15.6630, 8.1880,
1.0931


■ 37.8416, 40.6872,
45.0425

 15.5411, 8.0089,
0.8529

 42.8323, 48.0433,
54.7999

 48.4197, 56.2841,
65.7075

 54.6226, 65.4377,
77.8012

 61.4589, 75.5309,
91.1152

Harmonies

Analogous

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



21.5576, 16.0844, 19.8019



21.1050, 16.0844, 12.1175



19.0007, 16.0844, 7.6304

Triad

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



21.1050, 16.0844, 12.1175



11.2656, 16.0844, 9.3792



14.5338, 16.0844, 38.7833

Complementary

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



21.1050, 16.0844, 12.1175



24.2833, 31.7286, 39.4966

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.



12.0930, 16.0844, 33.5445



21.1050, 16.0844, 12.1175



10.3693, 16.0844, 15.4079

Square

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



21.1050, 16.0844, 12.1175



13.2647, 16.0844, 6.4368



10.6516, 16.0844, 24.3114



17.5066, 16.0844, 37.0463

Rectangle

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



21.1050, 16.0844, 12.1175



17.0749, 16.0844, 6.2264



10.6516, 16.0844, 24.3114



13.6299, 16.0844, 37.7337

Sweetspot

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



21.1054, 16.0852, 12.1178



53.7326, 52.1986, 53.1478



25.4502, 17.7636, 37.6846



11.4580, 10.9866, 11.0513



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.1054, 16.0852, 12.1178



34.2858, 23.6743, 14.6990



24.6966, 23.4055, 12.8900



7.0811, 7.0889, 7.4133



11.7600, 6.0601, 0.6610



0.2493, 0.1282, 0.0252

Inverse Universe

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



21.1054, 16.0852, 12.1178



34.2858, 23.6743, 14.6990



18.9914, 20.8564, 38.6220



7.0811, 7.0889, 7.4133



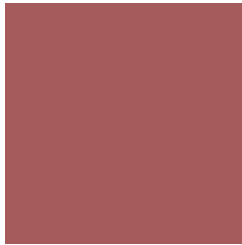
11.7600, 6.0601, 0.6610



0.2493, 0.1282, 0.0252

Previews

White Background



This preview shows how the XYZ color 21.1050, 16.0844, 12.1175 looks on a white background.

Color Contrast Check

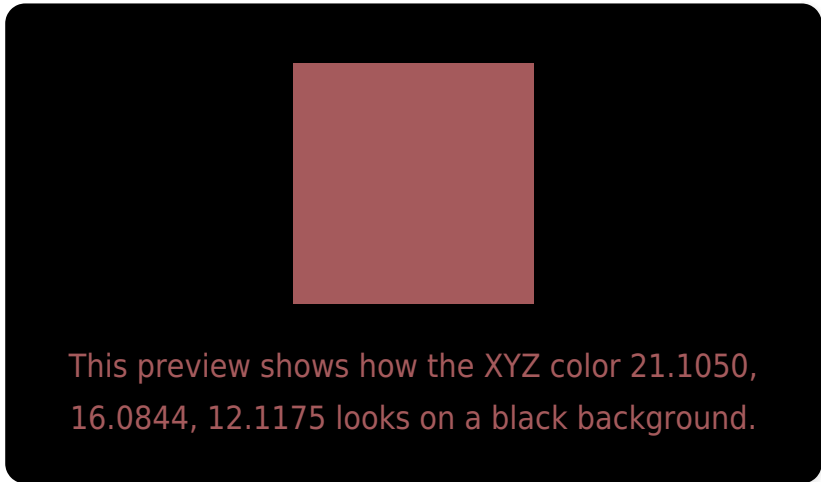
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

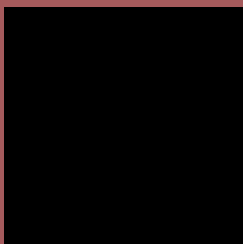
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1050, 16.0844, 12.1175

Background



This preview shows how black text looks on a background with the XYZ color 21.1050, 16.0844, 12.1175.



This preview shows how white text looks on a background with the XYZ color 21.1050, 16.0844,

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

21.1050, 16.0844, 12.1175

Protanopia

15.4448, 16.2806, 15.1604

Deuteranopia

16.5258, 16.2717, 11.7209



Tritanopia

21.2007, 15.9886, 13.0350

Trichromacy



Original Color

21.1050, 16.0844, 12.1175

Protanomaly

17.0340, 15.8698, 13.9698

Deuteranomaly

17.8268, 15.8852, 11.7994

Tritanomaly

21.1550, 15.9703, 12.7941

Monochromacy



Original Color

21.1050, 16.0844, 12.1175

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.1171, 16.0286, 15.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1050, 16.0844, 12.1175 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(165, 90, 92)` looks like.

```
.text, #text, p{  
    color:rgb(165, 90, 92)  
}
```

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(165, 90, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 90, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.1050, 16.0844, 12.1175 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(165, 90, 92) }
```


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

```
.border{ border-color:rgb(165, 90, 92) }
```

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

Here you see how a box with a 4 pixel rgb(165, 90, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 90, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 90, 92);  
box-shadow:4px 4px 4px 4px rgb(165, 90,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1050, 16.0844, 12.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 90, 92) }
```

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

```
.background{ background-color: rgb(165, 90,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor