

Converting Colors

XYZ(21.0206, 16.0431, 11.6403)

Have a look what the booklet for
XYZ(21.0206, 16.0431, 11.6403)
contains.

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Color

**XYZ(21.0187, 16.0498,
11.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	A55A5A
RGB	165, 90, 90
RGB Percent	65%, 35%, 35%
CMY	0.3529, 0.6470, 0.6471
CMYK	0.00, 0.45, 0.45, 0.35
HSL	0°, 29%, 50%
HSV	0°, 45%, 65%
XYZ	21.0187, 16.0498, 11.6630
YIQ	112.4250, 44.7000, 15.9000

Conversions

Conversions Part 2

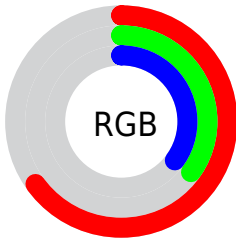
Format	Color
RYB	165, 90, 90
Decimal	10836570
CIELab	47.04, 30.64, 13.71
CIElCh	47, 33.564, 24.102
Yxy	16.0498, 0.4313, 0.3294
Android (android.graphics.Color)	4289026650 (0xFFA55A5A)
YUV	112.4250, -11.0555, 46.1083
Hunter-Lab	40.0622, 23.5415, 10.7829

Details

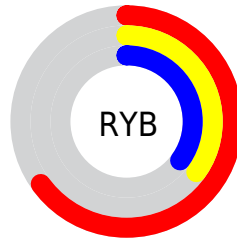
The XYZ color **21.0187, 16.0498, 11.6630** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4626, 31.7993, 40.4459**, and the grayscale version is **15.5487, 16.3585, 17.8144**.

A 20% lighter version of the original color is **44.6899, 36.6312, 29.5261**, and **7.6970, 5.0903, 3.0595** is the 20% darker color. If you saturate the color by 10%, you get **19.1522, 13.3188, 7.9521**, and if you desaturate by 10%, it is **23.3508, 19.4626, 16.2986**.

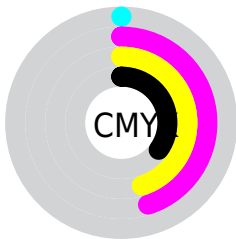
Distribution



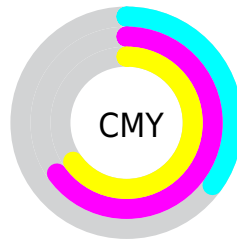
- Red (65%)
- Green (35%)
- Blue (35%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0187, 16.0498, 11.6630 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 21.0187, 16.0498, 11.6630 by changing the saturation by 10% instead.


 21.0187, 16.0498,
11.6630


 21.0187, 16.0498,
11.6630


250.1077,
229.6354, 213.0594


 13.2502, 9.5594,
6.3949


 44.6097, 36.6846,
29.5350


 7.6793, 5.1078,
3.0140


 61.1629, 51.5979,
42.9759


 3.9405, 2.3107,
1.1018

 81.3751, 70.0875,
59.9783

 1.6685, 0.7793,
0.0000

 105.6116, 92.5379,
80.9605

 0.4364, 0.0000,
0.0000

 134.2377,
119.3335, 106.3412

 0.0000, 0.0000,
0.0000

167.6189,

150.8587, 136.5389

206.1204,
187.4979, 171.9721

■ 21.0187, 16.0498,
11.6630

■ 21.0187, 16.0498,
11.6630

■ 19.1522, 13.3188,
7.9521

■ 23.3508, 19.4626,
16.2986

■ 17.7190, 11.2216,
5.1031

■ 26.1756, 23.5961,
21.9141

■ 16.6846, 9.7079,
3.0469


■ 29.5195, 28.4891,
28.5615


■ 16.0087, 8.7189,
1.7034


■ 33.4066, 34.1771,
36.2890


■ 15.6397, 8.1788,
0.9698


■ 37.8597, 40.6931,
45.1416

 15.5172, 7.9995,
0.7262

 42.9000, 48.0686,
55.1617

 48.5480, 56.3331,
66.3898

 54.8228, 65.5149,
78.8641

 61.7430, 75.6410,
92.6213

Harmonies

Analogous

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



21.5971, 16.0498, 19.1926



21.0187, 16.0498, 11.6630



18.8153, 16.0498, 7.3680

Triad

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



21.0187, 16.0498, 11.6630



11.1185, 16.0498, 9.5978



14.6813, 16.0498, 39.0326

Complementary

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



21.0187, 16.0498, 11.6630



24.4626, 31.7993, 40.4459

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.



12.1745, 16.0498, 34.1442



21.0187, 16.0498, 11.6630



10.2944, 16.0498, 15.8640

Square

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



21.0187, 16.0498, 11.6630



13.0609, 16.0498, 6.4716



10.6547, 16.0498, 24.9554



17.6817, 16.0498, 36.8110

Rectangle

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



21.0187, 16.0498, 11.6630



16.8564, 16.0498, 6.0716



10.6547, 16.0498, 24.9554



13.7581, 16.0498, 38.1280

Sweetspot

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



21.0191, 16.0506, 11.6633



53.6488, 52.1656, 52.7054



25.9649, 18.0284, 37.7087



11.4377, 10.9786, 10.9439



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.



21.0191, 16.0506, 11.6633



34.1383, 23.6161, 13.9198



25.0167, 24.0459, 12.9958



7.0738, 7.0860, 7.3750



11.7389, 6.0517, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



24.4626, 31.7993, 40.4459



41.1240, 55.5649, 72.3100



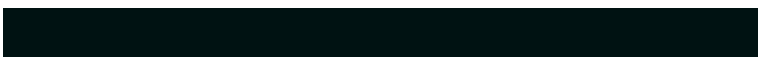
18.6622, 20.1987, 38.5125



7.2761, 8.0112, 9.0659



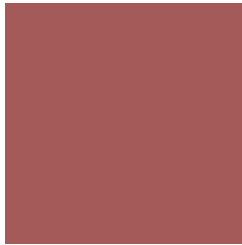
15.3158, 22.4110, 30.4483



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 21.0187, 16.0498, 11.6630 looks on a white background.

Color Contrast Check

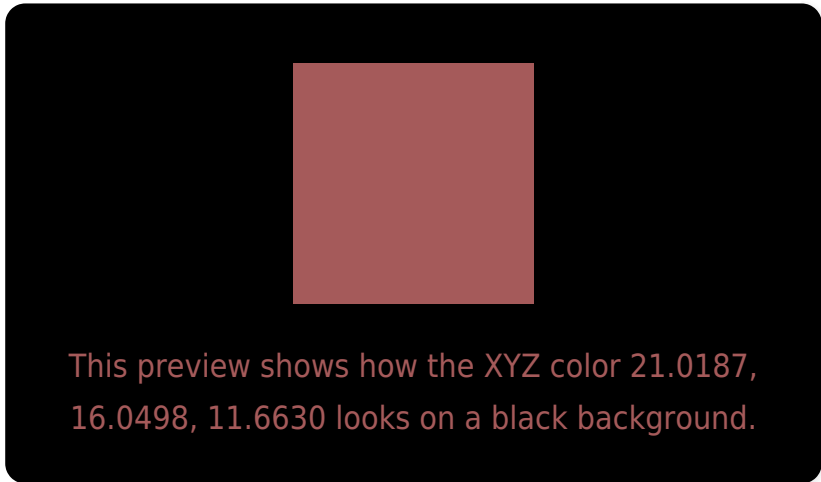
Large Text (above 18pt) WCAG AA ✓ Pass

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

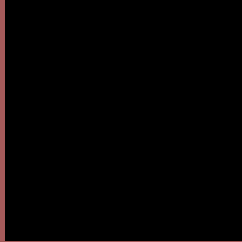
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0187, 16.0498, 11.6630

Background



This preview shows how black text looks on a background with the XYZ color 21.0187, 16.0498, 11.6630.

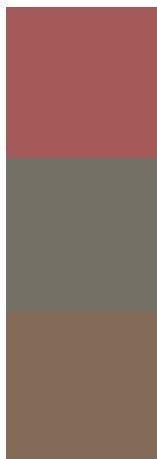


This preview shows how white text looks on a background with the XYZ color 21.0187, 16.0498,

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

21.0187, 16.0498, 11.6630

Protanopia

15.4793, 16.3098, 14.6442

Deuteranopia

16.4429, 16.2385, 11.2845



Tritanopia

21.2007, 15.9886, 13.0350

Trichromacy



Original Color

21.0187, 16.0498, 11.6630

Protanomaly

16.9395, 15.8320, 13.4723

Deuteranomaly

17.7428, 15.8516, 11.3570

Tritanomaly

21.1098, 15.9522, 12.5562

Monochromacy



Original Color

21.0187, 16.0498, 11.6630

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8091, 15.7254, 15.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0187, 16.0498, 11.6630 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, 90)` looks like.

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

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, 90) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.0187, 16.0498, 11.6630 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, 90) }
```


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

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

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, 90)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.0187, 16.0498, 11.6630 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, 90) }
```

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

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

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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