

Converting Colors

XYZ(21.3145, 16.4659, 11.2874)

Have a look what the booklet for
XYZ(21.3145, 16.4659, 11.2874)
contains.

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Color

**XYZ(21.3145, 16.4659,
11.2874)**

Conversions

Conversions Part 1

Format	Color
Hex	A65C58
RGB	166, 92, 88
RGB Percent	65%, 36%, 35%
CMY	0.3490, 0.6392, 0.6549
CMYK	0.00, 0.45, 0.47, 0.35
HSL	3°, 31%, 50%
HSV	3°, 47%, 65%
XYZ	21.3145, 16.4659, 11.2874
YIQ	113.6700, 45.3880, 14.4440

Conversions

Conversions Part 2

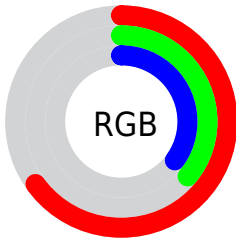
Format	Color
RYB	166, 92, 88
Decimal	10902616
CIELab	47.58, 29.72, 15.67
CIElCh	48, 33.599, 27.797
Yxy	16.4659, 0.4344, 0.3356
Android (android.graphics.Color)	4289092696 (0xFFA65C58)
YUV	113.6700, -12.6553, 45.8934
Hunter-Lab	40.5782, 22.7488, 11.9124

Details

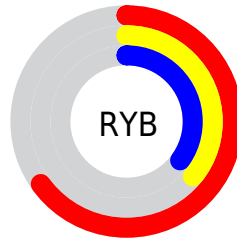
The XYZ color **21.3145, 16.4659, 11.2874** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.8271, 30.6670, 40.7398**, and the grayscale version is **15.9231, 16.7523, 18.2432**.

A 20% lighter version of the original color is **45.1504, 37.3272, 28.8699**, and **7.8923, 5.3553, 2.9032** is the 20% darker color. If you saturate the color by 10%, you get **19.4783, 13.7715, 7.6605**, and if you desaturate by 10%, it is **23.5917, 19.7918, 15.8341**.

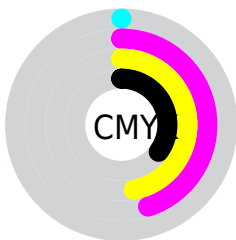
Distribution



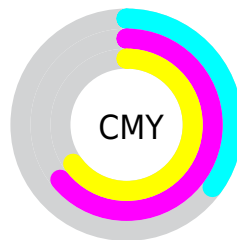
- Red (65%)
- Green (36%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (45%)
- Yellow (47%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3145, 16.4659, 11.2874 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 21.3145, 16.4659, 11.2874 by changing the saturation by 10% instead.

■ 21.3145, 16.4659,
11.2874

■ 21.3145, 16.4659,
11.2874

251.6454,
232.0754, 210.4365

■ 13.4679, 9.8544,
6.1439

■ 45.0977, 37.4052,
28.8351

■ 7.8307, 5.3025,
2.8626

■ 61.7650, 52.5017,
42.0764

■ 4.0377, 2.4259,
1.0249

■ 82.1032, 71.1955,
58.8541

■ 1.7235, 0.8391,
0.0000

■ 106.4776, 93.8708,
79.5866

■ 0.4709, 0.0000,
0.0000

■ 135.2537,
120.9120, 104.6926

■ 0.0000, 0.0000,
0.0000

168.7968,

152.7036, 134.5906

207.4723,
189.6300, 169.6990

■ 21.3145, 16.4659,
11.2874

■ 21.3145, 16.4659,
11.2874

■ 19.4783, 13.7715,
7.6605

■ 23.5917, 19.7918,
15.8341

■ 18.0533, 11.6663,
4.8898

■ 26.3346, 23.7828,
21.3564

■ 17.0083, 10.1068,
2.9052


■ 29.5675, 28.4735,
27.9068


■ 16.3065, 9.0428,
1.6250


■ 33.3128, 33.8949,
35.5338


■ 15.9006, 8.4126,
0.9294


■ 37.5912, 40.0765,
44.2828

 15.8183, 8.2920,
0.7668

 42.4227, 47.0461,
54.1965

 47.8259, 54.8299,
65.3156

 53.8186, 63.4532,
77.6787

 60.4181, 72.9399,
91.3225

Harmonies

Analogous

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



22.1357, 16.4659, 18.5699



21.3145, 16.4659, 11.2874



18.9228, 16.4659, 7.2843

Triad

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



21.3145, 16.4659, 11.2874



11.2675, 16.4659, 10.5000



15.4301, 16.4659, 39.9619

Complementary

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



21.3145, 16.4659, 11.2874



23.8271, 30.6670, 40.7398

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.



12.7788, 16.4659, 35.8081



21.3145, 16.4659, 11.2874



10.5743, 16.4659, 17.3022

Square

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



21.3145, 16.4659, 11.2874



13.1166, 16.4659, 6.9421



11.0907, 16.4659, 26.7673



18.4910, 16.4659, 36.8228

Rectangle

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



21.3145, 16.4659, 11.2874



16.8989, 16.4659, 6.1608



11.0907, 16.4659, 26.7673



14.4648, 16.4659, 39.3502

Sweetspot

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



21.3149, 16.4667, 11.2877



55.4223, 54.2264, 54.2261



25.7461, 17.6988, 36.2882



12.0999, 11.6966, 11.5196



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.



21.3149, 16.4667, 11.2877



35.3357, 24.9709, 13.8723



25.5902, 25.0174, 12.7128



7.5609, 7.6018, 7.8581



12.2771, 6.4514, 0.5982



0.3081, 0.1757, 0.0177

Inverse Universe

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



23.8271, 30.6670, 40.7398



40.4246, 53.7993, 73.7290



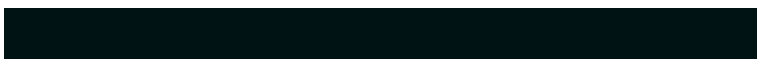
18.0029, 19.0188, 38.7984



7.7141, 8.4651, 9.6457



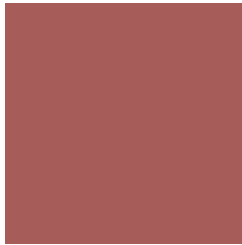
14.7605, 20.9811, 31.2473



0.3687, 0.5297, 0.7635

Previews

White Background



This preview shows how the XYZ color 21.3145, 16.4659, 11.2874 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 21.3145, 16.4659, 11.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

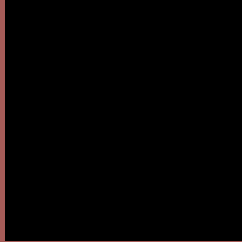
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3145, 16.4659, 11.2874

Background



This preview shows how black text looks on a background with the XYZ color 21.3145, 16.4659, 11.2874.

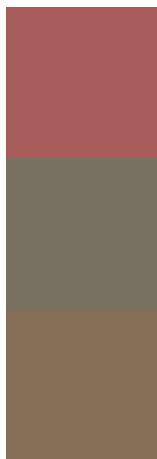


This preview shows how white text looks on a background with the XYZ color 21.3145, 16.4659,

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

21.3145, 16.4659, 11.2874

Protanopia

15.7175, 16.6140, 13.9337

Deuteranopia

16.9398, 16.6615, 10.9175



Tritanopia

21.8351, 16.5607, 13.3550

Trichromacy



Original Color

21.3145, 16.4659, 11.2874

Protanomaly

17.2253, 16.1455, 12.7982

Deuteranomaly

18.3840, 16.4834, 11.0168

Tritanomaly

21.6978, 16.5058, 12.6320

Monochromacy



Original Color

21.3145, 16.4659, 11.2874

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3767, 16.3145, 15.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3145, 16.4659, 11.2874 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(166, 92, 88)` looks like.

```
.text, #text, p{  
  color:rgb(166, 92, 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(166, 92, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 92, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.3145, 16.4659, 11.2874 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(166, 92, 88) }
```


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

```
.border{ border-color:rgb(166, 92, 88) }
```

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

Here you see how a box with a 4 pixel rgb(166, 92, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 92, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 92, 88);  
box-shadow:4px 4px 4px 4px rgb(166, 92,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3145, 16.4659, 11.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 92, 88) }
```

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

```
.background{ background-color: rgb(166, 92,  
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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