

Converting Colors

XYZ(21.4158, 16.3446, 13.3353)

Have a look what the booklet for
XYZ(21.4158, 16.3446, 13.3353)
contains.

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Color

**XYZ(21.4158, 16.3446,
13.3353)**

Conversions

Conversions Part 1

Format	Color
Hex	A55B61
RGB	165, 91, 97
RGB Percent	65%, 36%, 38%
CMY	0.3529, 0.6431, 0.6196
CMYK	0.00, 0.45, 0.41, 0.35
HSL	355°, 29%, 50%
HSV	355°, 45%, 65%
XYZ	21.4158, 16.3446, 13.3353
YIQ	113.8100, 42.1780, 17.5540

Conversions

Conversions Part 2

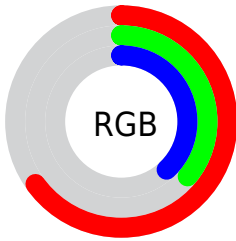
Format	Color
R_{YB}	165, 91, 97
Decimal	10836833
CIE Lab	47.42, 30.88, 10.03
CIE LCh	47, 32.465, 17.994
Yxy	16.3446, 0.4191, 0.3199
Android (android.graphics.Color)	4289026913 (0xFFA55B61)
YUV	113.8100, -8.2873, 44.8936
Hunter-Lab	40.4285, 23.8054, 8.7432

Details

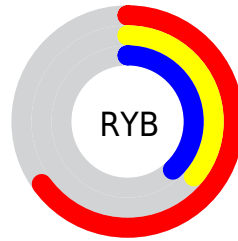
The XYZ color **21.4158, 16.3446, 13.3353** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0284, 31.6380, 37.6432**, and the grayscale version is **15.9530, 16.7837, 18.2775**.

A 20% lighter version of the original color is **45.2920, 37.3126, 32.8319**, and **7.8559, 5.2099, 3.7235** is the 20% darker color. If you saturate the color by 10%, you get **19.5165, 13.5713, 9.5411**, and if you desaturate by 10%, it is **23.7613, 19.7938, 17.9453**.

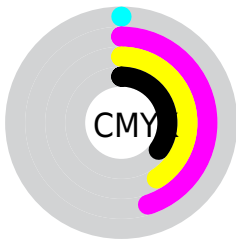
Distribution



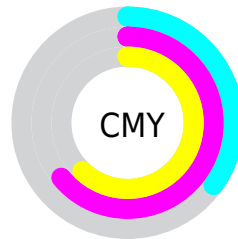
- Red (65%)
- Green (36%)
- Blue (38%)



- Red (65%)
- Yellow (36%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (41%)
- Black (35%)



- Cyan (35%)
- Magenta (64%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4158, 16.3446, 13.3353 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 21.4158, 16.3446, 13.3353 by changing the saturation by 10% instead.

■ 21.4158, 16.3446,
13.3353

■ 21.4158, 16.3446,
13.3353

252.1702,
231.3666, 224.3383

■ 13.5425, 9.7683,
7.5264

■ 45.2646, 37.1954,
32.6048

■ 7.8827, 5.2456,
3.7100

■ 61.9708, 52.2388,
46.9026

■ 4.0712, 2.3921,
1.4677

■ 82.3520, 70.8732,
64.8670

■ 1.7425, 0.8218,
0.1937

■ 106.7735, 93.4833,
86.9166

■ 0.4826, 0.0000,
0.0000

135.6007,
120.4532, 113.4700

■ 0.0000, 0.0000,
0.0000

169.1990,

152.1675, 144.9458

207.9337,
189.0105, 181.7623

■ 21.4158, 16.3446,
13.3353

■ 21.4158, 16.3446,
13.3353

■ 19.5165, 13.5713,
9.5411

■ 23.7613, 19.7938,
17.9453

■ 18.0337, 11.4273,
6.5143

■ 26.5774, 23.9567,
23.4138

■ 16.9364, 9.8639,
4.2027

■ 29.8884, 28.8711,
29.7818

■ 16.1885, 8.8243,
2.5471

■ 33.7165, 34.5716,
37.0872

■ 15.7464, 8.2388,
1.4788

■ 38.0826, 41.0905,
45.3659

■ 15.5921, 8.0293,
1.1214

■ 43.0064, 48.4583,
54.6517

■ 48.5065, 56.7040,
64.9770

■ 54.6009, 65.8552,
76.3727

■ 61.3065, 75.9384,
88.8682

Harmonies

Analogous

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



21.6017, 16.3446, 21.3014



21.4158, 16.3446, 13.3353



19.5409, 16.3446, 8.4256

Triad

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



21.4158, 16.3446, 13.3353



11.7747, 16.3446, 9.1571



14.4120, 16.3446, 38.2383

Complementary

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



21.4158, 16.3446, 13.3353



24.0284, 31.6380, 37.6432

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.



12.1178, 16.3446, 32.3641



21.4158, 16.3446, 13.3353



10.7260, 16.3446, 14.6988

Square

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



21.4158, 16.3446, 13.3353



13.8873, 16.3446, 6.5773



10.8434, 16.3446, 23.1558



17.3083, 16.3446, 37.5291

Rectangle

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



21.4158, 16.3446, 13.3353



17.7025, 16.3446, 6.7747



10.8434, 16.3446, 23.1558



13.5522, 16.3446, 36.9085

Sweetspot

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



21.4162, 16.3454, 13.3356



54.5666, 53.2506, 55.3250



24.7981, 17.5536, 37.6784



11.6321, 11.1997, 11.5261



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.



21.4162, 16.3454, 13.3356



34.9093, 24.2422, 16.9999



24.3450, 22.6336, 12.9843



7.0960, 7.0948, 7.4919



11.8038, 6.0776, 0.8917



0.2546, 0.1303, 0.0533

Inverse Universe

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



21.4162, 16.3454, 13.3356



34.9093, 24.2422, 16.9999



19.6548, 22.0379, 38.8151



7.0960, 7.0948, 7.4919



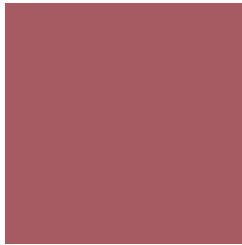
11.8038, 6.0776, 0.8917



0.2546, 0.1303, 0.0533

Previews

White Background



This preview shows how the XYZ color 21.4158, 16.3446, 13.3353 looks on a white background.

Color Contrast Check

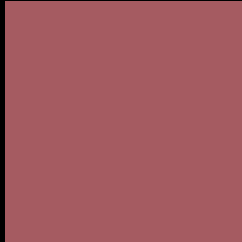
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4158, 16.3446, 13.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

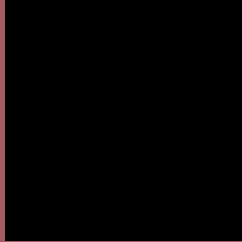
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4158, 16.3446, 13.3353

Background



This preview shows how black text looks on a background with the XYZ color 21.4158, 16.3446, 13.3353.



This preview shows how white text looks on a background with the XYZ color 21.4158, 16.3446,

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

21.4158, 16.3446, 13.3353

Protanopia

15.8144, 16.6060, 16.5591

Deuteranopia

16.8491, 16.5707, 12.9001



Tritanopia

21.4627, 16.3633, 13.5825

Trichromacy



Original Color

21.4158, 16.3446, 13.3353

Protanomaly

17.3818, 16.1710, 15.3019

Deuteranomaly

18.1446, 16.1686, 12.9910

Tritanomaly

21.4627, 16.3633, 13.5825

Monochromacy



Original Color

21.4158, 16.3446, 13.3353

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5337, 16.3773, 16.4244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4158, 16.3446, 13.3353 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, 91, 97)` looks like.

```
.text, #text, p{  
    color:rgb(165, 91, 97)  
}
```

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, 91, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 91, 97) }
```

Border

The CSS property to change the border of an element to XYZ 21.4158, 16.3446, 13.3353 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, 91, 97) }
```


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

```
.border{ border-color:rgb(165, 91, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 91, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 91, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 91, 97);  
box-shadow:4px 4px 4px 4px rgb(165, 91,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4158, 16.3446, 13.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 91, 97) }
```

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

```
.background{ background-color: rgb(165, 91,  
97) }
```

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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