

Converting Colors

XYZ(21.3167, 18.6407, 16.5462)

Have a look what the booklet for
XYZ(21.3167, 18.6407, 16.5462)
contains.

XYZ(21.3958, 18.6779, 16.6649)	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(21.3958, 18.6779,
16.6649)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6C6C
RGB	154, 108, 108
RGB Percent	60%, 42%, 42%
CMY	0.3961, 0.5765, 0.5765
CMYK	0.00, 0.30, 0.30, 0.40
HSL	0°, 19%, 51%
HSV	0°, 30%, 60%
XYZ	21.3958, 18.6779, 16.6649
YIQ	121.7540, 27.4160, 9.7520

Conversions

Conversions Part 2

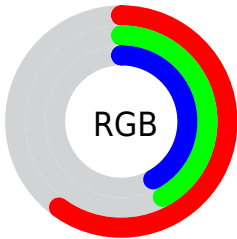
Format	Color
RYB	154, 108, 108
Decimal	10120300
CIELab	50.31, 18.35, 7.34
CIElCh	50, 19.762, 21.811
Yxy	18.6779, 0.3771, 0.3292
Android (android.graphics.Color)	4288310380 (0xFF9A6C6C)
YUV	121.7540, -6.7807, 28.2797
Hunter-Lab	43.2179, 12.7382, 7.3902

Details

The XYZ color **21.3958, 18.6779, 16.6649** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.5723, 28.6315, 34.8560**, and the grayscale version is **18.4341, 19.3941, 21.1202**.

A 20% lighter version of the original color is **45.1233, 41.2001, 38.3751**, and **7.8250, 6.3353, 5.2253** is the 20% darker color. If you saturate the color by 10%, you get **19.1644, 15.4129, 12.2284**, and if you desaturate by 10%, it is **24.0599, 22.5763, 21.9603**.

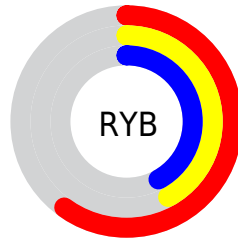
Distribution



Red (60%)

Green (42%)

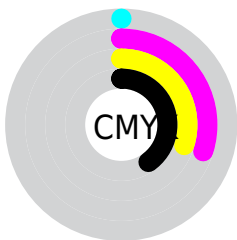
Blue (42%)



Red (60%)

Yellow (42%)

Blue (42%)

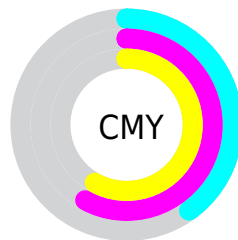


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (40%)



Cyan (40%)

Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3958, 18.6779, 16.6649 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 21.3958, 18.6779, 16.6649 by changing the saturation by 10% instead.


 21.3958, 18.6779,
16.6649


 21.3958, 18.6779,
16.6649

252.0666,
244.6648, 245.2121


 13.5277, 11.4378,
9.8364


 45.2317, 41.1891,
38.5314


 7.8724, 6.3621,
5.1865


 61.9302, 57.2290,
54.4066

 4.0645, 3.0665,
2.2964


 82.3029, 76.9709,
74.1344

 1.7387, 1.1665,
0.7292

 106.7151,
100.7992, 98.1334

 0.4803, 0.0341,
0.0000

135.5322,
129.0984, 126.8221

 0.0000, 0.0000,
0.0000

169.1196,

162.2528, 160.6191

207.8427,
200.6468, 199.9429

■ 21.3958, 18.6779,
16.6649

■ 21.3958, 18.6779,
16.6649

■ 19.1644, 15.4129,
12.2284

■ 24.0599, 22.5763,
21.9603

■ 17.3415, 12.7454,
8.6045

■ 27.1761, 27.1363,
28.1554

■ 15.9027, 10.6400,
5.7444

■ 30.7648, 32.3875,
35.2896

■ 14.8206, 9.0565,
3.5933

■ 34.8443, 38.3569,
43.3998

■ 14.0640, 7.9495,
2.0895

■ 39.4323, 45.0703,
52.5207

■ 13.5966, 7.2654,
1.1605

■ 44.5453, 52.5520,
62.6854

■ 13.3299, 6.8751,
0.6302

■ 50.1993, 60.8253,
73.9257

■ 13.3266, 6.8703,
0.6237

■ 56.4094, 69.9124,
86.2717

■ 63.1904, 79.8347,
99.7525

Harmonies

Analogous

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



21.6528, 18.6779, 21.8766



21.3958, 18.6779, 16.6649



20.1282, 18.6779, 13.1231

Triad

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



21.3958, 18.6779, 16.6649



15.0129, 18.6779, 14.4887



17.2334, 18.6779, 32.6637

Complementary

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



21.3958, 18.6779, 16.6649



23.5723, 28.6315, 34.8560

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.



15.5720, 18.6779, 29.8034



21.3958, 18.6779, 16.6649



14.3516, 18.6779, 18.8715

Square

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



21.3958, 18.6779, 16.6649



16.4194, 18.6779, 12.0330



14.5487, 18.6779, 24.5125



19.1564, 18.6779, 31.7838

Rectangle

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



21.3958, 18.6779, 16.6649



18.9273, 18.6779, 11.8731



14.5487, 18.6779, 24.5125



16.6279, 18.6779, 32.0918

Sweetspot

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



21.3963, 18.6788, 16.6653



49.7888, 49.9116, 51.9841



24.5219, 19.9285, 33.1261



11.0807, 11.0211, 11.3911



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.3963, 18.6788, 16.6653



36.0077, 29.7459, 24.5875



24.1497, 24.1855, 17.5831



6.2088, 6.2227, 6.4797



10.8575, 5.5974, 0.5082



0.1623, 0.0837, 0.0076

Inverse Universe

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



23.5723, 28.6315, 34.8560



40.6285, 50.8808, 63.2159



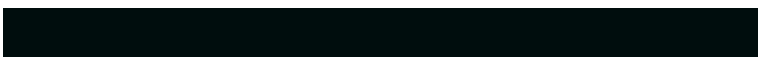
20.1336, 21.7541, 33.7098



6.3846, 7.0265, 7.9487



14.1653, 20.7273, 28.1619



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 21.3958, 18.6779, 16.6649 looks on a white background.

Color Contrast Check

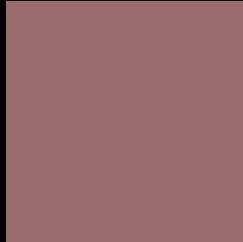
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3958, 18.6779, 16.6649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

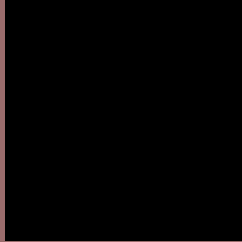
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3958, 18.6779, 16.6649

Background



This preview shows how black text looks on a background with the XYZ color 21.3958, 18.6779, 16.6649.



This preview shows how white text looks on a background with the XYZ color 21.3958, 18.6779,

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

21.3958, 18.6779, 16.6649

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

19.2158, 18.8707, 16.5395



Tritanopia

21.8698, 18.7218, 18.6807

Trichromacy



Original Color

21.3958, 18.6779, 16.6649

Protanomaly

19.1617, 18.8115, 17.9503

Deuteranomaly

19.8867, 18.7114, 16.4734

Tritanomaly

21.6999, 18.6538, 17.7861

Monochromacy



Original Color

21.3958, 18.6779, 16.6649

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.4037, 19.0753, 19.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3958, 18.6779, 16.6649 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(154, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(154, 108, 108)  
}
```

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(154, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 108, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.3958, 18.6779, 16.6649 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(154, 108, 108) }
```


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

```
.border{ border-color:rgb(154, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(154, 108,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3958, 18.6779, 16.6649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 108, 108) }
```

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

```
.background{ background-color: rgb(154,  
108, 108) }
```

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