

# Converting Colors

XYZ(20.5674, 18.5660, 16.7620)

Have a look what the booklet for  
XYZ(20.5674, 18.5660, 16.7620)  
contains.

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# Color

**XYZ(20.4954, 18.5305,  
16.6839)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	946E6C
RGB	148, 110, 108
RGB Percent	58%, 43%, 42%
CMY	0.4196, 0.5686, 0.5765
CMYK	0.00, 0.26, 0.27, 0.42
HSL	3°, 16%, 50%
HSV	3°, 27%, 58%
XYZ	20.4954, 18.5305, 16.6839
YIQ	121.1340, 23.2900, 7.4340

# Conversions

## Conversions Part 2

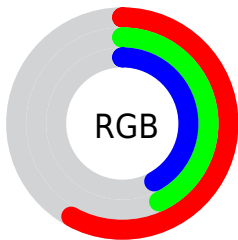
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 110, 108
Decimal	9727596
CIE <sub>Lab</sub>	50.13, 14.77, 7.00
CIE <sub>LCh</sub>	50, 16.348, 25.354
Yxy	18.5305, 0.3679, 0.3326
Android (android.graphics.Color)	4287917676 (0xFF946E6C)
YUV	121.1340, -6.4751, 23.5615
Hunter-Lab	43.0471, 9.6543, 7.1537

# Details

The XYZ color **20.4954, 18.5305, 16.6839** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8081, 25.8830, 31.8634**, and the grayscale version is **18.2327, 19.1822, 20.8895**.

A 20% lighter version of the original color is **43.8069, 41.0404, 38.4136**, and **7.3888, 6.2690, 5.2355** is the 20% darker color. If you saturate the color by 10%, you get **18.3753, 15.4455, 12.4155**, and if you desaturate by 10%, it is **22.9909, 22.1520, 21.7376**.

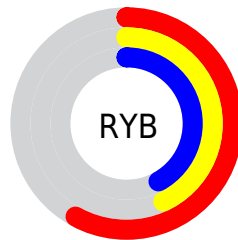
# Distribution



Red (58%)

Green (43%)

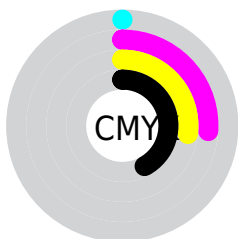
Blue (42%)



Red (58%)

Yellow (43%)

Blue (42%)

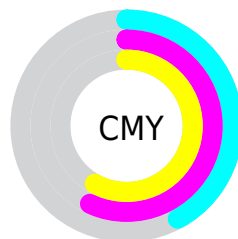


Cyan (0%)

Magenta (26%)

Yellow (27%)

Black (42%)



Cyan (42%)

Magenta (57%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4954, 18.5305, 16.6839 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 20.4954, 18.5305, 16.6839 by changing the saturation by 10% instead.





 20.4954, 18.5305,  
16.6839


 20.4954, 18.5305,  
16.6839

247.3673,  
243.8444, 245.3261


 12.8660, 11.3315,  
9.8498


 43.7438, 40.9392,  
38.5647


 7.4127, 6.2903,  
5.1952


 60.0936, 56.9178,  
54.4484

 3.7701, 3.0224,  
2.3015

 80.0809, 76.5916,  
74.1858

 1.5729, 1.1434,  
0.7321

 104.0710,  
100.3452, 98.1953

 0.3747, 0.0148,  
0.0000

132.4294,  
128.5629, 126.8956

 0.0000, 0.0000,  
0.0000

165.5213,

161.6290, 160.7051

203.7122,  
199.9281, 200.0425

■ 20.4954, 18.5305,  
16.6839

■ 20.4954, 18.5305,  
16.6839

■ 18.3753, 15.4455,  
12.4155

■ 22.9909, 22.1520,  
21.7376

■ 16.6110, 12.8692,  
8.8918

■ 25.8772, 26.3312,  
27.6121

■ 15.1835, 10.7750,  
6.0707

■ 29.1706, 31.0911,  
34.3419

■ 14.0713, 9.1328,  
3.9049

■ 32.8861, 36.4528,  
41.9595

■ 13.2505, 7.9095,  
2.3418

■ 37.0378, 42.4363,  
50.4953

■ 12.6937, 7.0670,  
1.3202

■ 41.6392, 49.0605,  
59.9787

■ 12.3634, 6.5587,  
0.7407

■ 46.7034, 56.3438,  
70.4375

■ 12.2931, 6.4568,  
0.5984

■ 52.2427, 64.3037,  
81.8985

■ 58.2690, 72.9570,  
94.3874

# Harmonies

## Analogous

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



20.8089, 18.5305, 20.8877



20.4954, 18.5305, 16.6839



19.3922, 18.5305, 13.8461

# Triad

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



20.4954, 18.5305, 16.6839



15.2355, 18.5305, 15.6341



17.3684, 18.5305, 30.1213

# Complementary

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



20.4954, 18.5305, 16.6839



21.8081, 25.8830, 31.8634

# 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.



15.9455, 18.5305, 28.1913



20.4954, 18.5305, 16.6839



14.7618, 18.5305, 19.4818

# Square

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



20.4954, 18.5305, 16.6839



16.3467, 18.5305, 13.3063



15.0138, 18.5305, 24.1255



18.9424, 18.5305, 29.0790



# Rectangle

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



20.4954, 18.5305, 16.6839



18.3900, 18.5305, 12.8911



15.0138, 18.5305, 24.1255



16.8576, 18.5305, 29.7914

# Sweetspot

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



20.4959, 18.5314, 16.6843



45.0465, 45.5737, 47.4708



22.7636, 19.0965, 29.6803



10.1128, 10.1570, 10.4894



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



20.4959, 18.5314, 16.6843



33.9847, 29.5284, 25.0451



22.9022, 23.3439, 17.4864



5.8227, 5.8592, 6.0645



10.5065, 5.5274, 0.5131



0.1332, 0.0769, 0.0078



# Inverse Universe

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



21.8081, 25.8830, 31.8634



36.6679, 44.5679, 56.1045



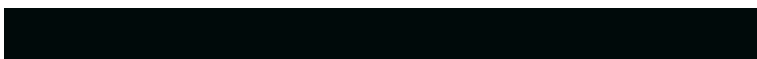
18.9906, 20.2481, 30.9242



5.9395, 6.5130, 7.4138



12.6557, 18.0062, 26.7396



0.1610, 0.2327, 0.3293



# Previews

## White Background



This preview shows how the XYZ color 20.4954, 18.5305, 16.6839 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 20.4954, 18.5305, 16.6839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

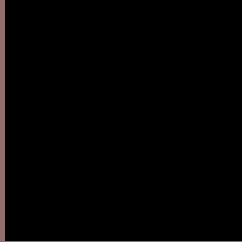
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 20.4954, 18.5305, 16.6839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.4954, 18.5305, 16.6839.



This preview shows how white text looks on a background with the XYZ color 20.4954, 18.5305,



# 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

20.4954, 18.5305, 16.6839

### Protanopia

17.7458, 18.5969, 18.2770

### Deuteranopia

18.9379, 18.5572, 16.4937



## Tritanopia

21.0740, 18.6112, 19.3112

# Trichromacy



## Original Color

20.4954, 18.5305, 16.6839

## Protanomaly

18.6304, 18.5440, 17.6364

## Deuteranomaly

19.3742, 18.4472, 16.4495

## Tritanomaly

20.9003, 18.5417, 18.3969

# Monochromacy



## Original Color

20.4954, 18.5305, 16.6839

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

18.8737, 18.8088, 19.1587

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.4954, 18.5305, 16.6839 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(148, 110, 108)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 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(148, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 20.4954, 18.5305, 16.6839 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(148, 110, 108) }
```



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

```
.border{ border-color:rgb(148, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.4954, 18.5305, 16.6839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 108) }
```

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

```
.background{ background-color: rgb(148,  
110, 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](#).

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