

# Converting Colors

XYZ(21.8065, 16.6238, 17.3053)

Have a look what the booklet for  
XYZ(21.8065, 16.6238, 17.3053)  
contains.

<b>XYZ(21.8560, 16.6107, 17.3835)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(21.8560, 16.6107,  
17.3835)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A35C70
RGB	163, 92, 112
RGB Percent	64%, 36%, 44%
CMY	0.3608, 0.6392, 0.5608
CMYK	0.00, 0.44, 0.31, 0.36
HSL	343°, 28%, 50%
HSV	343°, 44%, 64%
XYZ	21.8560, 16.6107, 17.3835
YIQ	115.5090, 35.8960, 21.2720

# Conversions

## Conversions Part 2

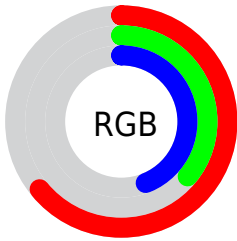
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 92, 112
Decimal	10706032
CIE <sub>Lab</sub>	47.77, 31.47, 1.44
CIE <sub>LCh</sub>	48, 31.505, 2.625
Yxy	16.6107, 0.3913, 0.2974
Android (android.graphics.Color)	4288896112 (0xFFA35C70)
YUV	115.5090, -1.7299, 41.6496
Hunter-Lab	40.7562, 24.3993, 3.2408

# Details

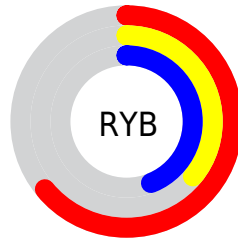
The XYZ color **21.8560, 16.6107, 17.3835** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4695, 30.4532, 30.6820**, and the grayscale version is **16.4483, 17.3049, 18.8451**.

A 20% lighter version of the original color is **46.1893, 37.8425, 39.9918**, and **8.0960, 5.3491, 5.4563** is the 20% darker color. If you saturate the color by 10%, you get **19.9828, 13.8406, 13.7490**, and if you desaturate by 10%, it is **24.1187, 20.0240, 21.5665**.

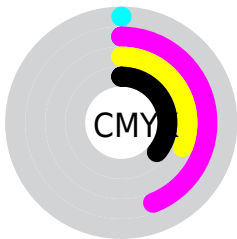
# Distribution



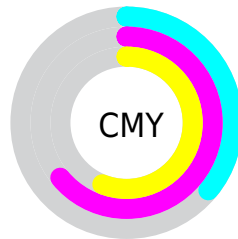
- Red (64%)
- Green (36%)
- Blue (44%)



- Red (64%)
- Yellow (36%)
- Blue (44%)



- Cyan (0%)
- Magenta (44%)
- Yellow (31%)
- Black (36%)



- Cyan (36%)
- Magenta (64%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8560, 16.6107, 17.3835 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 21.8560, 16.6107, 17.3835 by changing the saturation by 10% instead.



■ 21.8560, 16.6107,  
17.3835

■ 21.8560, 16.6107,  
17.3835

254.4399,  
232.9189, 249.4911

■ 13.8671, 9.9573,  
10.3435

■ 45.9885, 37.6552,  
39.7836

■ 8.1094, 5.3707,  
5.5187

■ 62.8629, 52.8151,  
55.9808

■ 4.2174, 2.4663,  
2.4907

■ 83.4298, 71.5794,  
76.0674

■ 1.8259, 0.8597,  
0.8352

■ 108.0546, 94.3323,  
100.4620

■ 0.5332, 0.0000,  
0.0000

137.1026,  
121.4583, 129.5831

■ 0.0000, 0.0000,  
0.0000

170.9393,

153.3418, 163.8493

209.9299,  
190.3672, 203.6791

■ 21.8560, 16.6107,  
17.3835

■ 21.8560, 16.6107,  
17.3835

■ 19.9828, 13.8406,  
13.7490

■ 24.1187, 20.0240,  
21.5665

■ 18.4748, 11.6705,  
10.6385

■ 26.7906, 24.1150,  
26.3192

■ 17.3070, 10.0559,  
8.0266

■ 29.8916, 28.9188,  
31.6628


■ 16.4506, 8.9450,  
5.8856


■ 33.4397, 34.4674,  
37.6172


■ 15.8714, 8.2759,  
4.1842


■ 37.4522, 40.7906,  
44.2010

 15.5956, 7.9831,  
3.2943

 41.9453, 47.9169,  
51.4324

 46.9343, 55.8730,  
59.3287

 52.4340, 64.6847,  
67.9064

 58.4585, 74.3764,  
77.1817

# Harmonies

## Analogous

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



21.1164, 16.6107, 26.2190



21.8560, 16.6107, 17.3835



20.8160, 16.6107, 10.9320

# Triad

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



21.8560, 16.6107, 17.3835



13.0381, 16.6107, 7.8973



13.4209, 16.6107, 35.7049

# Complementary

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



21.8560, 16.6107, 17.3835



22.4695, 30.4532, 30.6820

# 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.



11.6427, 16.6107, 27.8306



21.8560, 16.6107, 17.3835



11.4410, 16.6107, 11.8375

# Square

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



21.8560, 16.6107, 17.3835



15.5407, 16.6107, 6.5761



10.9619, 16.6107, 18.8076



16.0379, 16.6107, 38.4887



# Rectangle

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



21.8560, 16.6107, 17.3835



19.3182, 16.6107, 8.3305



10.9619, 16.6107, 18.8076



12.7164, 16.6107, 33.4694

# Sweetspot

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



21.8565, 16.6115, 17.3838



53.7209, 52.0831, 57.0240



21.7461, 16.1288, 36.6173



11.7846, 11.2607, 12.3290



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.



21.8565, 16.6115, 17.3838



35.9673, 25.0500, 24.9815



22.3343, 19.1556, 12.6466



7.1520, 7.1172, 7.7867



12.1380, 6.2113, 2.6513



0.2742, 0.1382, 0.1566



# Inverse Universe

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



21.8565, 16.6115, 17.3838



35.9673, 25.0500, 24.9815



21.5550, 25.9799, 38.5288



7.1520, 7.1172, 7.7867



12.1380, 6.2113, 2.6513

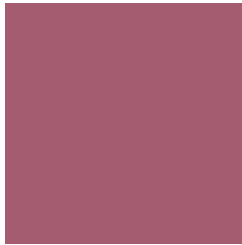


0.2742, 0.1382, 0.1566



# Previews

## White Background



This preview shows how the XYZ color 21.8560, 16.6107, 17.3835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

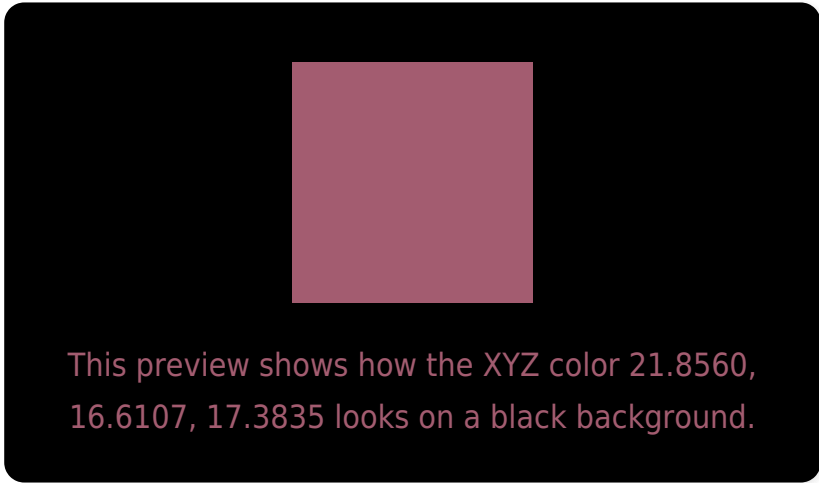
Any Text WCAG AA ✓ Pass

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

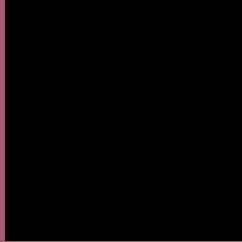
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 21.8560, 16.6107, 17.3835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.8560, 16.6107, 17.3835.



This preview shows how white text looks on a background with the XYZ color 21.8560, 16.6107,



# 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

21.8560, 16.6107, 17.3835

### Protanopia

16.3533, 16.7762, 21.4450

### Deuteranopia

17.0886, 16.7680, 16.8039



## Tritanopia

21.2520, 16.6264, 14.4010

# Trichromacy



## Original Color

21.8560, 16.6107, 17.3835

## Protanomaly

17.8018, 16.2845, 19.9743

## Deuteranomaly

18.4799, 16.4017, 16.9437

## Tritanomaly

21.3644, 16.5300, 15.4292

# Monochromacy



## Original Color

21.8560, 16.6107, 17.3835

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

18.0251, 16.7397, 18.5007

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.8560, 16.6107, 17.3835 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(163, 92, 112)` looks like.

```
.text, #text, p{  
    color:rgb(163, 92, 112)  
}
```

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(163, 92, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 92, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 21.8560, 16.6107, 17.3835 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(163, 92, 112) }
```



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

```
.border{ border-color:rgb(163, 92, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 92, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 92, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 92, 112); box-shadow:4px 4px 4px 4px rgb(163, 92, 112) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.8560, 16.6107, 17.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 92, 112) }
```

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

```
.background{ background-color: rgb(163, 92,  
112) }
```

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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