

# Converting Colors

XYZ(22.4563, 19.2021, 11.1467)

Have a look what the booklet for  
XYZ(22.4563, 19.2021, 11.1467)  
contains.

<b>XYZ(22.4144, 19.1706, 11.1133)</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(22.4144, 19.1706,  
11.1133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A56B55
RGB	165, 107, 85
RGB Percent	65%, 42%, 33%
CMY	0.3529, 0.5804, 0.6667
CMYK	0.00, 0.35, 0.48, 0.35
HSL	17°, 32%, 49%
HSV	17°, 48%, 65%
XYZ	22.4144, 19.1706, 11.1133
YIQ	121.8340, 41.6300, 5.4540

# Conversions

## Conversions Part 2

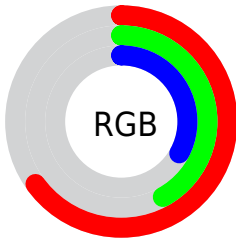
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 115, 85
Decimal	10840917
CIE <sub>Lab</sub>	50.89, 20.61, 21.85
CIE <sub>LCh</sub>	51, 30.038, 46.681
Yxy	19.1706, 0.4253, 0.3638
Android (android.graphics.Color)	4289030997 (0xFFA56B55)
YUV	121.8340, -18.1592, 37.8566
Hunter-Lab	43.7842, 14.7568, 15.6000

# Details

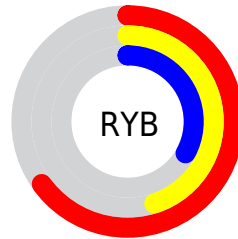
The XYZ color **22.4144, 19.1706, 11.1133** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.3598, 24.2917, 39.2128**, and the grayscale version is **18.4928, 19.4559, 21.1874**.

A 20% lighter version of the original color is **46.8955, 42.0751, 28.5713**, and **8.3606, 6.5894, 2.7507** is the 20% darker color. If you saturate the color by 10%, you get **20.6718, 16.6150, 7.6669**, and if you desaturate by 10%, it is **24.4834, 22.1344, 15.4230**.

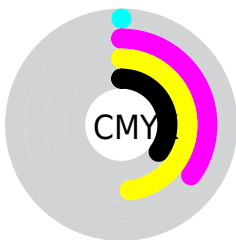
# Distribution



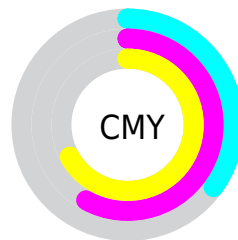
- Red (65%)
- Green (42%)
- Blue (33%)



- Red (65%)
- Yellow (45%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (58%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4144, 19.1706, 11.1133 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 22.4144, 19.1706, 11.1133 by changing the saturation by 10% instead.





 22.4144, 19.1706,  
11.1133


 22.4144, 19.1706,  
11.1133


257.2947,  
247.3890, 209.2085


 14.2800, 11.7936,  
6.0280


 46.9037, 42.0222,  
28.5093

 8.3987, 6.6033,  
2.7930


 63.9894, 58.2656,  
41.6571


 4.4050, 3.2153,  
0.9899

 84.7895, 78.2332,  
58.3295

 1.9337, 1.2451,  
0.0000

 109.6695,  
102.3095, 78.9449

 0.5963, 0.0981,  
0.0000

 138.9946,  
130.8788, 103.9220

 0.0000, 0.0000,  
0.0000

173.1303,

164.3255, 133.6792

212.4419,  
203.0341, 168.6352

■ 22.4144, 19.1706,  
11.1133

■ 22.4144, 19.1706,  
11.1133

■ 20.6718, 16.6150,  
7.6669

■ 24.4834, 22.1344,  
15.4230

■ 19.2363, 14.4462,  
5.0235

■ 26.8937, 25.5206,  
20.6484

■ 18.0887, 12.6454,  
3.1168

■ 29.6610, 29.3463,  
26.8390

■ 17.2066, 11.1905,  
1.8693

■ 32.7996, 33.6269,  
34.0405

■ 16.5550, 10.0535,  
1.1398

■ 36.3229, 38.3768,  
42.2955

■ 16.4700, 9.9054,  
1.0439

■ 40.2437, 43.6099,  
51.6444

■ 44.5743, 49.3395,  
62.1252

■ 49.3261, 55.5784,  
73.7741

■ 54.5104, 62.3388,  
86.6260

# Harmonies

## Analogous

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



24.2394, 19.1706, 16.5329



22.4144, 19.1706, 11.1133



19.5649, 19.1706, 8.6844

# Triad

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



22.4144, 19.1706, 11.1133



13.2218, 19.1706, 17.3369



19.9053, 19.1706, 40.7211

# Complementary

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



22.4144, 19.1706, 11.1133



20.3598, 24.2917, 39.2128

# 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.



16.9403, 19.1706, 41.1090



22.4144, 19.1706, 11.1133



13.2918, 19.1706, 25.9143

# Square

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



22.4144, 19.1706, 11.1133



14.3836, 19.1706, 11.5637



14.5864, 19.1706, 35.1315



22.6868, 19.1706, 34.1828



# Rectangle

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



22.4144, 19.1706, 11.1133



17.5665, 19.1706, 8.5029



14.5864, 19.1706, 35.1315



18.8917, 19.1706, 41.6264

# Sweetspot

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



22.4149, 19.1716, 11.1137



54.8513, 54.9277, 52.0050



23.7741, 16.4999, 28.1839



11.7548, 11.6842, 10.8296



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.



22.4149, 19.1716, 11.1137



36.8585, 29.5130, 13.4188



27.4870, 29.3158, 12.8044



7.2250, 7.3884, 7.4254



12.4969, 7.5677, 0.8021



0.2999, 0.2337, 0.0293



# Inverse Universe

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



20.3598, 24.2917, 39.2128



32.7032, 39.6913, 69.6899



15.4548, 14.4818, 37.5778



7.1106, 7.6802, 9.0107



10.2274, 12.2342, 28.7522



0.2511, 0.3295, 0.6162



# Previews

## White Background



This preview shows how the XYZ color 22.4144, 19.1706, 11.1133 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 22.4144, 19.1706, 11.1133 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 22.4144, 19.1706, 11.1133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.4144, 19.1706, 11.1133.



This preview shows how white text looks on a background with the XYZ color 22.4144, 19.1706,



# 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

22.4144, 19.1706, 11.1133

### Protanopia

17.9316, 19.1759, 12.6538

### Deuteranopia

19.4838, 19.1351, 10.8501



## Tritanopia

23.6558, 19.0637, 17.4718

# Trichromacy



## Original Color

22.4144, 19.1706, 11.1133

## Protanomaly

19.3763, 19.0517, 12.1073

## Deuteranomaly

20.4543, 19.1257, 11.0011

## Tritanomaly

23.0745, 18.9669, 15.0152

# Monochromacy



## Original Color

22.4144, 19.1706, 11.1133

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

19.6028, 19.2300, 17.1466

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.4144, 19.1706, 11.1133 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, 107, 85)` looks like.

```
.text, #text, p{  
    color:rgb(165, 107, 85)  
}
```

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, 107, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 107, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 22.4144, 19.1706, 11.1133 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, 107, 85) }
```



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

```
.border{ border-color:rgb(165, 107, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 107, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 107, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 107, 85);  
box-shadow:4px 4px 4px 4px rgb(165, 107,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.4144, 19.1706, 11.1133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 107, 85) }
```

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

```
.background{ background-color: rgb(165,  
107, 85) }
```

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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