

# Converting Colors

XYZ(28.5107, 22.1243, 21.3409)

Have a look what the booklet for  
XYZ(28.5107, 22.1243, 21.3409)  
contains.

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# Color

**XYZ(28.5377, 22.1109,  
21.1761)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B86B7A
RGB	184, 107, 122
RGB Percent	72%, 42%, 48%
CMY	0.2784, 0.5804, 0.5216
CMYK	0.00, 0.42, 0.34, 0.28
HSL	348°, 35%, 57%
HSV	348°, 42%, 72%
XYZ	28.5377, 22.1109, 21.1761
YIQ	131.7330, 41.0770, 20.9890

# Conversions

## Conversions Part 2

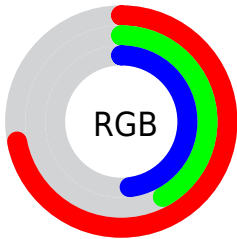
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 107, 122</a>
Decimal	<a href="#">12086138</a>
CIELab	<a href="#">54.14, 32.46, 5.06</a>
CIELCh	<a href="#">54, 32.854, 8.865</a>
Yxy	<a href="#">22.1109, 0.3973, 0.3078</a>
Android (android.graphics.Color)	<a href="#">4290276218</a> ( <a href="#">0xFFB86B7A</a> )
YUV	<a href="#">131.7330, -4.7984, 45.8382</a>
Hunter-Lab	<a href="#">47.0222, 26.0424, 6.2148</a>

# Details

The XYZ color **28.5377, 22.1109, 21.1761** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.3664, 40.2718, 43.7110**, and the grayscale version is **21.8430, 22.9805, 25.0258**.

A 20% lighter version of the original color is **56.8287, 47.0748, 46.1356**, and **11.7524, 8.0878, 7.4202** is the 20% darker color. If you saturate the color by 10%, you get **25.9703, 18.3350, 16.1311**, and if you desaturate by 10%, it is **31.6544, 26.7613, 27.0953**.

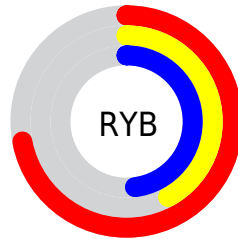
# Distribution



Red (72%)

Green (42%)

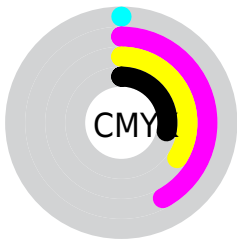
Blue (48%)



Red (72%)

Yellow (42%)

Blue (48%)

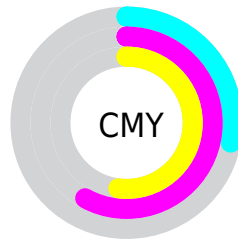


Cyan (0%)

Magenta (42%)

Yellow (34%)

Black (28%)



Cyan (28%)

Magenta (58%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5377, 22.1109, 21.1761 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 28.5377, 22.1109, 21.1761 by changing the saturation by 10% instead.





 28.5377, 22.1109,  
21.1761


 28.5377, 22.1109,  
21.1761

287.0611,  
263.1249, 271.0246


 18.8739, 13.9384,  
13.0603


 56.7444, 46.9292,  
46.2650


 11.6827, 8.0778,  
7.3389


 76.0181, 64.3438,  
64.0752

 6.5986, 4.1448,  
3.5933


 99.2257, 85.6080,  
85.9539

 3.2565, 1.7549,  
1.4050

 126.7327,  
111.1060, 112.3198

 1.2908, 0.4588,  
0.1456

158.9043,  
141.2223, 143.5912

 0.1763, 0.0000,  
0.0000

196.1061,

 0.0000, 0.0000,

176.3413, 180.1868

0.0000

238.7032,  
216.8473, 222.5251

■ 28.5377, 22.1109,  
21.1761

■ 28.5377, 22.1109,  
21.1761

■ 25.9703, 18.3350,  
16.1311

■ 31.6544, 26.7613,  
27.0953

■ 23.9181, 15.3755,  
11.9169

■ 35.3485, 32.3329,  
33.9265

■ 22.3456, 13.1726,  
8.4886


■ 39.6480, 38.8731,  
41.7068


■ 21.2121, 11.6566,  
5.7959


■ 44.5787, 46.4249,  
50.4709


■ 20.4699, 10.7449,  
3.7826


■ 50.1650, 55.0289,  
60.2516

 20.0831, 10.3167,  
2.5888

 56.4298, 64.7233,  
71.0804

 63.3950, 75.5445,  
82.9873

 71.0815, 87.5272,  
96.0011

 73.5772, 88.9303,  
107.8951

# Harmonies

## Analogous

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



28.0755, 22.1109, 31.8652



28.5377, 22.1109, 21.1761



26.8142, 22.1109, 13.7427

# Triad

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



28.5377, 22.1109, 21.1761



17.0033, 22.1109, 11.8014



18.6410, 22.1109, 47.4049

# Complementary

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



28.5377, 22.1109, 21.1761



30.3664, 40.2718, 43.7110

# 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.



16.1200, 22.1109, 38.6048



28.5377, 22.1109, 21.1761



15.2514, 22.1109, 17.6708

# Square

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



28.5377, 22.1109, 21.1761



19.9775, 22.1109, 9.4267



14.9474, 22.1109, 27.2271



22.0893, 22.1109, 49.1306



# Rectangle

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



28.5377, 22.1109, 21.1761



24.7608, 22.1109, 10.8831



14.9474, 22.1109, 27.2271



17.6687, 22.1109, 45.0773

# Sweetspot

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



28.5383, 22.1120, 21.1765



70.7363, 68.7340, 73.5649



30.1867, 22.3681, 48.0738



14.8665, 14.2343, 15.1698



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



28.5383, 22.1120, 21.1765



47.5044, 33.8587, 30.0946



30.4177, 27.2448, 17.5670



9.0742, 9.0400, 9.7382



13.8615, 7.1184, 1.8915



0.5102, 0.2596, 0.1801



# Inverse Universe

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



28.5383, 22.1120, 21.1765



47.5044, 33.8587, 30.0946



27.4434, 32.0422, 50.0857



9.0742, 9.0400, 9.7382



13.8615, 7.1184, 1.8915

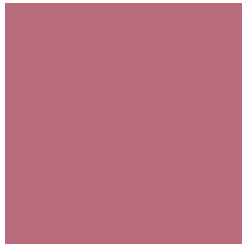


0.5102, 0.2596, 0.1801



# Previews

## White Background



This preview shows how the XYZ color 28.5377, 22.1109, 21.1761 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 28.5377, 22.1109, 21.1761 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 28.5377, 22.1109, 21.1761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5377, 22.1109, 21.1761.



This preview shows how white text looks on a background with the XYZ color 28.5377, 22.1109,



# 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

28.5377, 22.1109, 21.1761

### Protanopia

21.5835, 22.2751, 26.0836

### Deuteranopia

22.6960, 22.2022, 20.5420



## Tritanopia

28.0434, 22.0534, 19.3017

# Trichromacy



## Original Color

28.5377, 22.1109, 21.1761

## Protanomaly

23.4443, 21.7705, 24.0856

## Deuteranomaly

24.3658, 21.7865, 20.6903

## Tritanomaly

28.1610, 22.1004, 19.9211

# Monochromacy



## Original Color

28.5377, 22.1109, 21.1761

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.7417, 22.3037, 23.4758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5377, 22.1109, 21.1761 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(184, 107, 122)` looks like.

```
.text, #text, p{  
    color:rgb(184, 107, 122)  
}
```

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(184, 107, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 107, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5377, 22.1109, 21.1761 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(184, 107, 122) }
```



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

```
.border{ border-color:rgb(184, 107, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 107, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 107, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 107, 122);  
box-shadow:4px 4px 4px 4px rgb(184, 107,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5377, 22.1109, 21.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 107, 122) }
```

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

```
.background{ background-color: rgb(184,  
107, 122) }
```

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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