

# Converting Colors

XYZ(22.8786, 21.9548, 37.1699)

Have a look what the booklet for  
XYZ(22.8786, 21.9548, 37.1699)  
contains.

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# Color

**XYZ(22.9085, 21.9430,  
37.2104)**

# Conversions

Conversions Part 1	
Format	Color
Hex	817DA2
RGB	129, 125, 162
RGB Percent	51%, 49%, 64%
CMY	0.4941, 0.5098, 0.3647
CMYK	0.20, 0.23, 0.00, 0.36
HSL	246°, 17%, 56%
HSV	246°, 23%, 64%
XYZ	22.9085, 21.9430, 37.2104
YIQ	130.4140, -9.4930, 12.3550

# Conversions

## Conversions Part 2

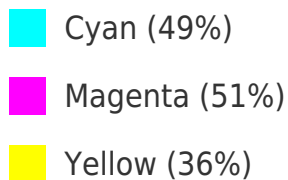
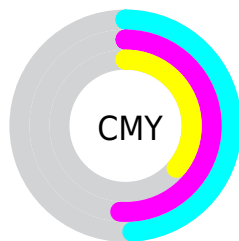
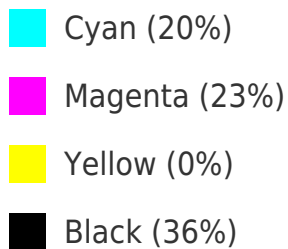
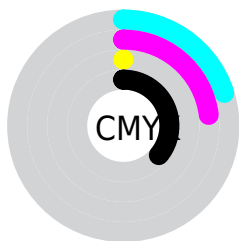
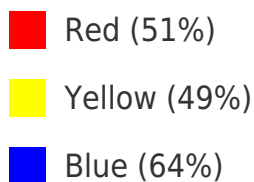
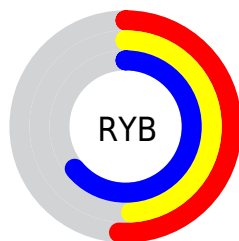
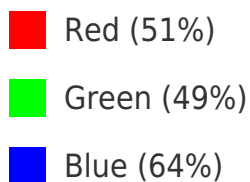
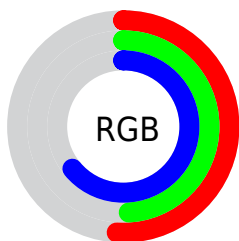
Format	Color
<a href="#">RYB</a>	<a href="#">129, 125, 162</a>
Decimal	<a href="#">8486306</a>
CIELab	<a href="#">53.97, 9.58, -19.20</a>
CIELCh	<a href="#">54, 21.457, 296.531</a>
Yxy	<a href="#">21.9430, 0.2792, 0.2674</a>
Android (android.graphics.Color)	<a href="#">4286676386</a> (0xFF817DA2)
YUV	<a href="#">130.4140, 15.5719, -1.2401</a>
Hunter-Lab	<a href="#">46.8434, 5.3186, -14.3071</a>

# Details

The XYZ color **22.9085, 21.9430, 37.2104** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7231, 34.5909, 24.4604**, and the grayscale version is **21.3142, 22.4242, 24.4200**.

A 20% lighter version of the original color is **47.7362, 46.7956, 72.1621**, and **8.6234, 7.9569, 15.8332** is the 20% darker color. If you saturate the color by 10%, you get **18.9809, 17.1185, 36.4865**, and if you desaturate by 10%, it is **27.4824, 27.5983, 38.0613**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9085, 21.9430, 37.2104 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 22.9085, 21.9430, 37.2104 by changing the saturation by 10% instead.





 22.9085, 21.9430,  
37.2104


 22.9085, 21.9430,  
37.2104


259.7988,  
262.2485, 349.4166


 14.6463, 13.8150,  
25.0734


 47.7108, 46.6518,  
72.0862

 8.6562, 7.9921,  
15.9122


 64.9816, 64.0014,  
95.6621

 4.5729, 4.0899,  
9.3084


 85.9860, 85.1936,  
123.8879

 2.0311, 1.7240,  
4.8433

111.0893,  
110.6129, 157.1824

 0.6513, 0.4391,  
2.0985

140.6568,  
140.6436, 195.9639

 0.0000, 0.0000,  
0.6149


175.0540,


 0.0000, 0.0000,


175.6702, 240.6511


0.0000


214.6463,  
216.0770, 291.6625


 22.9085, 21.9430,  
37.2104

 22.9085, 21.9430,  
37.2104


 18.9809, 17.1185,  
36.4865


 27.4824, 27.5983,  
38.0613


 15.6683, 13.0831,  
35.8822


 32.7278, 34.1181,  
39.0433


 12.9400, 9.7953,  
35.3914

 38.6710, 41.5378,  
40.1622

 10.7618, 7.2091,  
35.0070

 45.3366, 49.8896,  
41.4229

 9.0960, 5.2730,  
34.7211

 52.7475, 59.2045,  
42.8303

■ 7.8998, 3.9286,  
34.5247

■ 60.9260, 69.5118,  
44.3887

■ 7.1234, 3.1070,  
34.4070

■ 69.8933, 80.8397,  
46.1026

■ 6.7621, 2.7326,  
34.3538

■ 79.6697, 93.2153,  
47.9761

■ 83.5216, 95.3887,  
48.1925

# Harmonies

## Analogous

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



20.5880, 21.9430, 39.0112



22.9085, 21.9430, 37.2104



24.7944, 21.9430, 31.6355

# Triad

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



22.9085, 21.9430, 37.2104



23.4088, 21.9430, 14.7570



16.7208, 21.9430, 23.1290

# Complementary

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



22.9085, 21.9430, 37.2104



30.7231, 34.5909, 24.4604

# 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.



17.3587, 21.9430, 17.5283



22.9085, 21.9430, 37.2104



21.1267, 21.9430, 13.2920

# Square

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



22.9085, 21.9430, 37.2104



25.0980, 21.9430, 18.6378



18.9302, 21.9430, 14.2045



17.1214, 21.9430, 30.0515



# Rectangle

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



22.9085, 21.9430, 37.2104



25.4918, 21.9430, 26.9865



18.9302, 21.9430, 14.2045



16.8196, 21.9430, 21.0440

# Sweetspot

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



22.9092, 21.9439, 37.2109



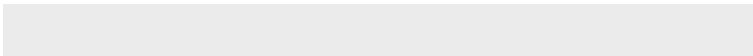
55.1720, 56.6583, 70.0844



27.2578, 31.5254, 38.8311



12.2725, 12.5774, 15.7184



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.



22.9092, 21.9439, 37.2109



38.1125, 35.5579, 66.9107



25.9244, 23.4983, 37.3520



6.7683, 6.8949, 8.8772



5.3467, 2.1628, 27.0654



0.1321, 0.0556, 0.5696



# Inverse Universe

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



28.4061, 24.8181, 35.6416



49.7663, 41.6538, 63.4743



27.4042, 32.8799, 24.3051



7.3312, 7.1889, 8.7304



15.7438, 7.6536, 21.6395



0.3396, 0.1643, 0.5009



# Previews

## White Background



This preview shows how the XYZ color 22.9085, 21.9430, 37.2104 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 22.9085, 21.9430, 37.2104 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 22.9085, 21.9430, 37.2104**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.9085, 21.9430, 37.2104.



This preview shows how white text looks on a background with the XYZ color 22.9085, 21.9430,



# 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

22.9085, 21.9430, 37.2104

### Protanopia

22.1657, 22.1117, 38.2217

### Deuteranopia

22.4399, 21.8903, 37.2250



## Tritanopia

20.9679, 21.9246, 27.5528

# Trichromacy



**Original Color**  
22.9085, 21.9430, 37.2104

**Protanomaly**  
22.3686, 22.0340, 37.7244

**Deuteranomaly**  
22.5866, 21.9660, 37.2318

**Tritanomaly**  
21.5898, 21.9805, 30.7085

# Monochromacy



**Original Color**  
22.9085, 21.9430, 37.2104

**Achromatopsia**  
21.2178, 22.3228, 24.3095

**Achromatomaly**  
21.8076, 22.1372, 28.7147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.9085, 21.9430, 37.2104 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(129, 125, 162) looks like.

```
.text, #text, p{  
    color:rgb(129, 125, 162)  
}
```

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(129, 125, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 125, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 22.9085, 21.9430, 37.2104 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(129, 125, 162) }
```



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

```
.border{ border-color:rgb(129, 125, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 125, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 125, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 125, 162);  
box-shadow:4px 4px 4px 4px rgb(129, 125,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.9085, 21.9430, 37.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 125, 162) }
```

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

```
.background{ background-color: rgb(129,  
125, 162) }
```

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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