

# Converting Colors

XYZ(22.5575, 22.2927, 30.4722)

Have a look what the booklet for  
XYZ(22.5575, 22.2927, 30.4722)  
contains.

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# Color

**XYZ(22.4505, 22.2406,  
30.3037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	857F92
RGB	133, 127, 146
RGB Percent	52%, 50%, 57%
CMY	0.4784, 0.5019, 0.4274
CMYK	0.09, 0.13, 0.00, 0.43
HSL	259°, 8%, 54%
HSV	259°, 13%, 57%
XYZ	22.4505, 22.2406, 30.3037
YIQ	130.9600, -2.5230, 7.1810

# Conversions

## Conversions Part 2

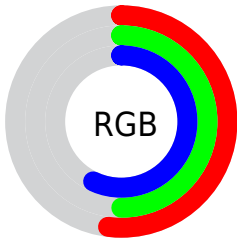
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 127, 146
Decimal	8748946
CIE Lab	54.28, 6.14, -9.40
CIE LCh	54, 11.231, 303.137
Yxy	22.2406, 0.2994, 0.2966
Android (android.graphics.Color)	4286939026 (0xFF857F92)
YUV	130.9600, 7.4147, 1.7891
Hunter-Lab	47.1599, 2.4451, -5.0862

# Details

The XYZ color **22.4505, 22.2406, 30.3037** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9257, 27.6661, 24.1061**, and the grayscale version is **21.5347, 22.6561, 24.6725**.

A 20% lighter version of the original color is **46.9963, 47.2518, 61.2871**, and **8.4030, 8.1323, 12.1931** is the 20% darker color. If you saturate the color by 10%, you get **19.1970, 17.9646, 29.6502**, and if you desaturate by 10%, it is **26.1287, 27.1424, 31.0563**.

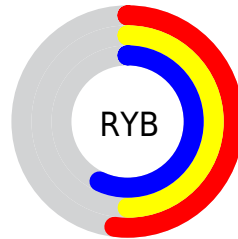
# Distribution



Red (52%)

Green (50%)

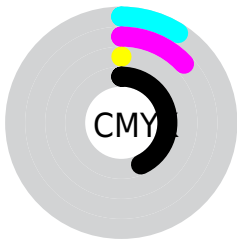
Blue (57%)



Red (52%)

Yellow (50%)

Blue (57%)

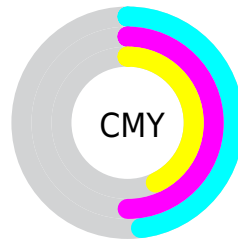


Cyan (9%)

Magenta (13%)

Yellow (0%)

Black (43%)



Cyan (48%)

Magenta (50%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4505, 22.2406, 30.3037 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 22.4505, 22.2406, 30.3037 by changing the saturation by 10% instead.



■ 22.4505, 22.2406,  
30.3037

■ 22.4505, 22.2406,  
30.3037

257.4783,  
263.8002, 317.5688

■ 14.3067, 14.0338,  
19.8152

■ 46.9628, 47.1433,  
61.2088

■ 8.4174, 8.1442,  
12.0781

■ 64.0620, 64.6081,  
82.4625

■ 4.4172, 4.1873,  
6.6737

■ 84.8772, 85.9275,  
108.1417

■ 1.9408, 1.7789,  
3.1835

109.7735,  
111.4862, 138.6649

■ 0.6004, 0.4740,  
1.1891

139.1164,  
141.6684, 174.4507

■ 0.0000, 0.0000,  
0.0000

173.2713,

176.8585, 215.9175

212.6035,  
217.4410, 263.4841

■ 22.4505, 22.2406,  
30.3037

■ 22.4505, 22.2406,  
30.3037

■ 19.1970, 17.9646,  
29.6502

■ 26.1287, 27.1424,  
31.0563

■ 16.3502, 14.2859,  
29.0902

■ 30.2445, 32.6912,  
31.9104

■ 13.8940, 11.1782,  
28.6198

■ 34.8129, 38.9106,  
32.8701

■ 11.8102, 8.6120,  
28.2343

■ 39.8474, 45.8224,  
33.9389

■ 10.0791, 6.5551,  
27.9285

■ 45.3611, 53.4472,  
35.1200

8.6791, 4.9717,  
27.6966

51.3663, 61.8049,  
36.4167

7.5859, 3.8211,  
27.5322

57.8752, 70.9143,  
37.8319

6.7713, 3.0558,  
27.4274

64.8993, 80.7938,  
39.3687

6.3193, 2.6584,  
27.3745

71.3543, 89.2702,  
40.6645

# Harmonies

## Analogous

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



21.2679, 22.2406, 31.5812



22.4505, 22.2406, 30.3037



23.3066, 22.2406, 27.3881

# Triad

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



22.4505, 22.2406, 30.3037



22.2193, 22.2406, 18.6922



18.8772, 22.2406, 24.5866

# Complementary

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



22.4505, 22.2406, 30.3037



24.9257, 27.6661, 24.1061

# 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.



19.1102, 22.2406, 21.2992



22.4505, 22.2406, 30.3037



21.0106, 22.2406, 18.0958

# Square

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



22.4505, 22.2406, 30.3037



23.1696, 22.2406, 20.7187



19.8796, 22.2406, 19.0040



19.2307, 22.2406, 28.0867



# Rectangle

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



22.4505, 22.2406, 30.3037



23.5603, 22.2406, 25.0298



19.8796, 22.2406, 19.0040



18.8896, 22.2406, 23.4205

# Sweetspot

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



22.4512, 22.2415, 30.3042



45.3635, 46.9037, 54.6360



23.3634, 25.4320, 30.8719



9.9878, 10.2953, 12.1330



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



22.4512, 22.2415, 30.3042



37.6234, 36.6177, 53.0585



23.9680, 23.0235, 30.3752



5.6616, 5.7165, 7.2747



5.5820, 2.3502, 24.0905



0.0962, 0.0431, 0.2962



# Inverse Universe

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



24.1778, 23.1842, 28.0128



41.3793, 38.6694, 48.0200



23.4395, 26.9000, 24.0366



5.9582, 5.8783, 6.8859



12.4622, 6.1899, 11.1810



0.1659, 0.0811, 0.2073



# Previews

## White Background



This preview shows how the XYZ color 22.4505, 22.2406, 30.3037 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 22.4505, 22.2406, 30.3037 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 22.4505, 22.2406, 30.3037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.4505, 22.2406, 30.3037.



This preview shows how white text looks on a background with the XYZ color 22.4505, 22.2406,



# 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

22.4505, 22.2406, 30.3037

### Protanopia

21.8691, 22.3191, 30.7592

### Deuteranopia

22.6408, 22.1479, 30.2758



## Tritanopia

21.8223, 22.1789, 27.1755

# Trichromacy



## Original Color

22.4505, 22.2406, 30.3037

## Protanomaly

22.0389, 22.2121, 30.7295

## Deuteranomaly

22.4807, 22.0654, 30.2683

## Tritanomaly

22.0426, 22.2670, 28.3355

# Monochromacy



## Original Color

22.4505, 22.2406, 30.3037

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

21.9423, 22.6484, 26.5076

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.4505, 22.2406, 30.3037 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(133, 127, 146)` looks like.

```
.text, #text, p{  
    color:rgb(133, 127, 146)  
}
```

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(133, 127, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 127, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 22.4505, 22.2406, 30.3037 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(133, 127, 146) }
```



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

```
.border{ border-color:rgb(133, 127, 146) }
```

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

Here you see how a box with a 4 pixel rgb(133, 127, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 127, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 127, 146);  
box-shadow:4px 4px 4px 4px rgb(133, 127,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.4505, 22.2406, 30.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 127, 146) }
```

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

```
.background{ background-color: rgb(133,  
127, 146) }
```

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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