

# Converting Colors

XYZ(22.2276, 21.7512, 30.0194)

Have a look what the booklet for  
XYZ(22.2276, 21.7512, 30.0194)  
contains.

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# Color

**XYZ(22.1948, 21.7291,  
30.2185)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	857D92
RGB	133, 125, 146
RGB Percent	52%, 49%, 57%
CMY	0.4784, 0.5098, 0.4274
CMYK	0.09, 0.14, 0.00, 0.43
HSL	263°, 9%, 53%
HSV	263°, 14%, 57%
XYZ	22.1948, 21.7291, 30.2185
YIQ	129.7860, -1.9730, 8.2270

# Conversions

## Conversions Part 2

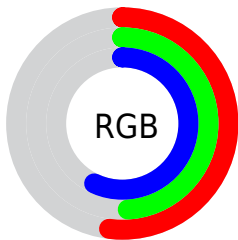
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 125, 146
Decimal	8748434
CIE Lab	53.74, 7.30, -10.22
CIE LCh	54, 12.559, 305.549
Yxy	21.7291, 0.2994, 0.2931
Android (android.graphics.Color)	4286938514 (0xFF857D92)
YUV	129.7860, 7.9935, 2.8187
Hunter-Lab	46.6145, 3.4148, -5.8054

# Details

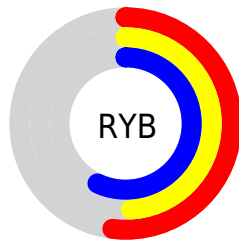
The XYZ color **22.1948, 21.7291, 30.2185** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.4626, 27.4423, 23.4107**, and the grayscale version is **21.1162, 22.2159, 24.1931**.

A 20% lighter version of the original color is **46.5954, 46.4500, 61.1535**, and **8.2630, 7.8524, 12.1465** is the 20% darker color. If you saturate the color by 10%, you get **19.1146, 17.5967, 29.5835**, and if you desaturate by 10%, it is **25.6708, 26.4701, 30.9507**.

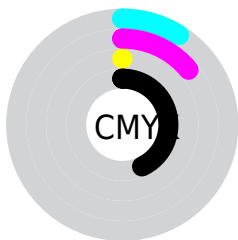
# Distribution



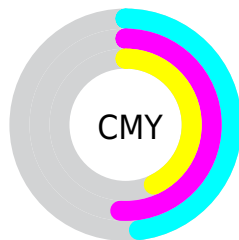
- Red (52%)
- Green (49%)
- Blue (57%)



- Red (52%)
- Yellow (49%)
- Blue (57%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (43%)



- Cyan (48%)
- Magenta (51%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1948, 21.7291, 30.2185 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 22.1948, 21.7291, 30.2185 by changing the saturation by 10% instead.



■ 22.1948, 21.7291,  
30.2185

■ 22.1948, 21.7291,  
30.2185

256.1752,  
261.1283, 317.1606

■ 14.1175, 13.6580,  
19.7510

■ 46.5442, 46.2978,  
61.0726

■ 8.2847, 7.8832,  
12.0319

■ 63.5470, 63.5643,  
82.2964

■ 4.3310, 4.0203,  
6.6426

■ 84.2558, 84.6646,  
107.9427

■ 1.8910, 1.6849,  
3.1646

109.0357,  
109.9832, 138.4300

■ 0.5716, 0.4139,  
1.1793

138.2523,  
139.9044, 174.1769

■ 0.0000, 0.0000,  
0.0000

172.2708,

174.8128, 215.6019

211.4567,  
215.0926, 263.1236

■ 22.1948, 21.7291,  
30.2185

■ 22.1948, 21.7291,  
30.2185

■ 19.1146, 17.5967,  
29.5835

■ 25.6708, 26.4701,  
30.9507

■ 16.4135, 14.0448,  
29.0403

■ 29.5547, 31.8406,  
31.7826

■ 14.0761, 11.0475,  
28.5850

■ 33.8605, 37.8639,  
32.7183

■ 12.0854, 8.5755,  
28.2128

■ 38.6010, 44.5614,  
33.7612

■ 10.4228, 6.5969,  
27.9185

■ 43.7882, 51.9533,  
34.9146

■ 9.0678, 5.0760,  
27.6963

■ 49.4339, 60.0591,  
36.1816

■ 7.9972, 3.9724,  
27.5397

■ 55.5493, 68.8974,  
37.5653

■ 7.1829, 3.2357,  
27.4405

■ 62.1451, 78.4864,  
39.0685

■ 6.7977, 2.9050,  
27.3969

■ 68.7824, 87.9443,  
40.5442

# Harmonies

## Analogous

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



20.9042, 21.7291, 31.8322



22.1948, 21.7291, 30.2185



23.1002, 21.7291, 26.8626

# Triad

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



22.1948, 21.7291, 30.2185



21.7430, 21.7291, 17.5317



18.1819, 21.7291, 24.3835

# Complementary

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



22.1948, 21.7291, 30.2185



24.4626, 27.4423, 23.4107

# 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.



18.3848, 21.7291, 20.7214



22.1948, 21.7291, 30.2185



20.4035, 21.7291, 17.0207

# Square

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



22.1948, 21.7291, 30.2185



22.8315, 21.7291, 19.6053



19.1840, 21.7291, 18.1254



18.6174, 21.7291, 28.2368



# Rectangle

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



22.1948, 21.7291, 30.2185



23.3428, 21.7291, 24.2393



19.1840, 21.7291, 18.1254



18.1780, 21.7291, 23.0886

# Sweetspot

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



22.1955, 21.7300, 30.2190



45.4812, 46.9644, 54.6415



22.7781, 24.6992, 30.7614



10.0182, 10.3110, 12.1344



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.



22.1955, 21.7300, 30.2190



37.4736, 36.0643, 52.9596



23.8849, 22.6010, 30.2980



5.6959, 5.7342, 7.2763



6.0052, 2.5684, 24.1103



0.1045, 0.0474, 0.2965



# Inverse Universe

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



23.7759, 22.6141, 27.1576



40.7890, 37.9200, 46.4937



22.8533, 26.6127, 23.3353



5.9426, 5.8721, 6.8039



12.0813, 6.0376, 9.1749



0.1623, 0.0797, 0.1882



# Previews

## White Background



This preview shows how the XYZ color 22.1948, 21.7291, 30.2185 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 22.1948, 21.7291, 30.2185 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 22.1948, 21.7291, 30.2185**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.1948, 21.7291, 30.2185.



This preview shows how white text looks on a background with the XYZ color 22.1948, 21.7291,



# 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

22.1948, 21.7291, 30.2185

### Protanopia

21.3921, 21.6768, 31.0735

### Deuteranopia

22.1948, 21.7291, 30.2185



## Tritanopia

21.4648, 21.8102, 26.7454

# Trichromacy



## Original Color

22.1948, 21.7291, 30.2185

## Protanomaly

21.6294, 21.6175, 30.6364

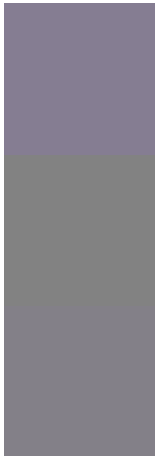
## Deuteranomaly

22.1948, 21.7291, 30.2185

## Tritanomaly

21.7102, 21.7207, 27.8592

# Monochromacy



## Original Color

22.1948, 21.7291, 30.2185

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

21.5232, 22.0412, 26.4125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.1948, 21.7291, 30.2185 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, 125, 146)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 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, 125, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 22.1948, 21.7291, 30.2185 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, 125, 146) }
```



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

```
.border{ border-color:rgb(133, 125, 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, 125, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 146);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.1948, 21.7291, 30.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 146) }
```

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

```
.background{ background-color: rgb(133,  
125, 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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