

# Converting Colors

XYZ(21.8928, 22.1217, 27.0481)

Have a look what the booklet for  
XYZ(21.8928, 22.1217, 27.0481)  
contains.

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# Color

**XYZ(21.9795, 22.2599,  
27.1829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85808A
RGB	133, 128, 138
RGB Percent	52%, 50%, 54%
CMY	0.4784, 0.4980, 0.4588
CMYK	0.04, 0.07, 0.00, 0.46
HSL	270°, 4%, 52%
HSV	270°, 7%, 54%
XYZ	21.9795, 22.2599, 27.1829
YIQ	130.6350, -0.2300, 4.1700

# Conversions

## Conversions Part 2

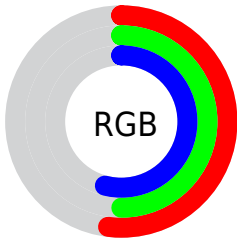
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 128, 138
Decimal	8749194
CIELab	54.30, 3.88, -4.72
CIELCh	54, 6.110, 309.364
Yxy	22.2599, 0.3077, 0.3117
Android (android.graphics.Color)	4286939274 (0xFF85808A)
YUV	130.6350, 3.6309, 2.0741
Hunter-Lab	47.1804, 0.5905, -1.1335

# Details

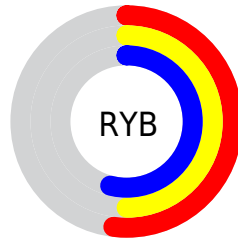
The XYZ color **21.9795, 22.2599, 27.1829** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.6585, 24.7226, 24.0009**, and the grayscale version is **21.4314, 22.5475, 24.5543**.

A 20% lighter version of the original color is **46.1775, 47.2484, 55.9763**, and **8.2136, 8.1814, 10.3788** is the 20% darker color. If you saturate the color by 10%, you get **19.2466, 18.3587, 26.5743**, and if you desaturate by 10%, it is **25.0301, 26.6896, 27.8775**.

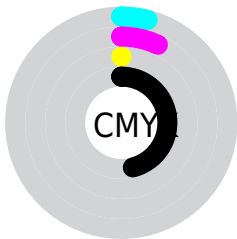
# Distribution



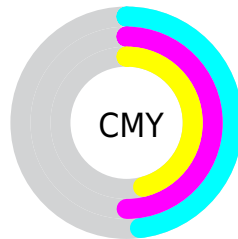
- Red (52%)
- Green (50%)
- Blue (54%)



- Red (52%)
- Yellow (50%)
- Blue (54%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)



- Cyan (48%)
- Magenta (50%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9795, 22.2599, 27.1829 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 21.9795, 22.2599, 27.1829 by changing the saturation by 10% instead.



■ 21.9795, 22.2599,  
27.1829

■ 21.9795, 22.2599,  
27.1829

255.0736,  
263.9005, 302.3297

■ 13.9584, 14.0480,  
17.4770

■ 46.1912, 47.1752,  
56.1845

■ 8.1732, 8.1541,  
10.4096

■ 63.1125, 64.6473,  
76.3173

■ 4.2587, 4.1937,  
5.5622

■ 83.7312, 85.9751,  
100.7628

■ 1.8495, 1.7825,  
2.5163

108.4127,  
111.5427, 129.9395

■ 0.5472, 0.4762,  
0.8488

137.5223,  
141.7347, 164.2661

■ 0.0000, 0.0000,  
0.0000

171.4254,

176.9354, 204.1609

210.4874,  
217.5292, 250.0426

■ 21.9795, 22.2599,  
27.1829

■ 21.9795, 22.2599,  
27.1829

■ 19.2466, 18.3587,  
26.5743

■ 25.0301, 26.6896,  
27.8775

■ 16.8184, 14.9628,  
26.0468

■ 28.4071, 31.6640,  
28.6596

■ 14.6835, 12.0515,  
25.5974

■ 32.1211, 37.2025,  
29.5329

■ 12.8293, 9.6015,  
25.2222

■ 36.1819, 43.3224,  
30.5002

■ 11.2420, 7.5874,  
24.9171

■ 40.5987, 50.0402,  
31.5640

9.9066, 5.9816,  
24.6775

45.3802, 57.3720,  
32.7272

8.8063, 4.7530,  
24.4984

50.5350, 65.3330,  
33.9922

7.9220, 3.8656,  
24.3737

56.0715, 73.9381,  
35.3613

7.2191, 3.2529,  
24.2925

61.9974, 83.2015,  
36.8370

# Harmonies

## Analogous

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



21.3663, 22.2599, 28.0366



21.9795, 22.2599, 27.1829



22.3778, 22.2599, 25.5521

# Triad

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



21.9795, 22.2599, 27.1829



21.6116, 22.2599, 20.9664



19.9196, 22.2599, 24.8385

# Complementary

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



21.9795, 22.2599, 27.1829



22.6585, 24.7226, 24.0009

# 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.



19.9821, 22.2599, 22.9683



21.9795, 22.2599, 27.1829



20.9498, 22.2599, 20.7977

# Square

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



21.9795, 22.2599, 27.1829



22.1623, 22.2599, 21.9861



20.3560, 22.2599, 21.5125



20.1832, 22.2599, 26.6370



# Rectangle

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



21.9795, 22.2599, 27.1829



22.4631, 22.2599, 24.2780



20.3560, 22.2599, 21.5125



19.9033, 22.2599, 24.1966

# Sweetspot

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



21.9801, 22.2609, 27.1834



41.4691, 43.1808, 48.5322



21.9008, 23.2458, 27.3777



9.3181, 9.7096, 10.8894



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424



# Same Dimension

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



21.9801, 22.2609, 27.1834



37.7617, 37.8267, 47.6942



22.7609, 22.6634, 27.2199



4.9972, 5.0070, 6.3089



6.4721, 2.8506, 22.2548



0.0599, 0.0276, 0.1486



# Inverse Universe

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



22.4348, 22.5361, 25.3589



38.7723, 38.4385, 43.6392



21.9128, 24.3382, 23.9660



5.1303, 5.0876, 5.7749



10.6025, 5.3511, 5.6770



0.0778, 0.0385, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 21.9795, 22.2599, 27.1829 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 21.9795, 22.2599, 27.1829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

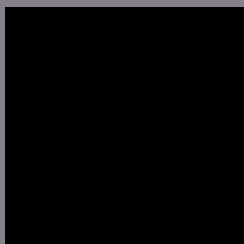
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 21.9795, 22.2599, 27.1829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.9795, 22.2599, 27.1829.



This preview shows how white text looks on a background with the XYZ color 21.9795, 22.2599,



# 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

21.9795, 22.2599, 27.1829

### Protanopia

21.7164, 22.3104, 27.5879

### Deuteranopia

22.6958, 22.2457, 27.1424



## Tritanopia

21.9795, 22.2599, 27.1829

# Trichromacy



## Original Color

21.9795, 22.2599, 27.1829

## Protanomaly

21.8705, 22.3899, 27.5951

## Deuteranomaly

22.4933, 22.3321, 27.1698

## Tritanomaly

21.9795, 22.2599, 27.1829

# Monochromacy



## Original Color

21.9795, 22.2599, 27.1829

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

21.8014, 22.5920, 25.7659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.9795, 22.2599, 27.1829 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, 128, 138)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 138)  
}
```

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, 128, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 21.9795, 22.2599, 27.1829 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, 128, 138) }
```



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

```
.border{ border-color:rgb(133, 128, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 138);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.9795, 22.2599, 27.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 138) }
```

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

```
.background{ background-color: rgb(133,  
128, 138) }
```

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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