

Converting Colors

XYZ(21.5678, 21.9542, 27.0328)

Have a look what the booklet for
XYZ(21.5678, 21.9542, 27.0328)
contains.

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Color

**XYZ(21.6667, 22.0986,
27.1683)**

Conversions

Conversions Part 1

Format	Color
Hex	83808A
RGB	131, 128, 138
RGB Percent	51%, 50%, 54%
CMY	0.4863, 0.4980, 0.4588
CMYK	0.05, 0.07, 0.00, 0.46
HSL	258°, 4%, 52%
HSV	258°, 7%, 54%
XYZ	21.6667, 22.0986, 27.1683
YIQ	130.0370, -1.4220, 3.7460

Conversions

Conversions Part 2

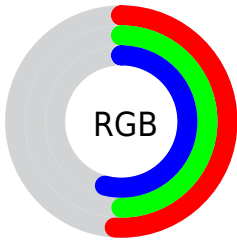
Format	Color
R_{YB}	131, 128, 138
Decimal	8618122
CIE _{Lab}	54.13, 3.15, -4.99
CIE _{LCh}	54, 5.903, 302.205
Yxy	22.0986, 0.3055, 0.3115
Android (android.graphics.Color)	4286808202 (0xFF83808A)
YUV	130.0370, 3.9258, 0.8446
Hunter-Lab	47.0091, 0.0053, -1.3594

Details

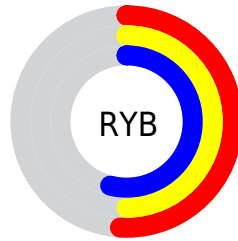
The XYZ color **21.6667, 22.0986, 27.1683** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.9773, 24.8870, 24.0158**, and the grayscale version is **21.2186, 22.3236, 24.3104**.

A 20% lighter version of the original color is **45.6950, 46.9997, 55.9537**, and **8.0371, 8.0904, 10.3705** is the 20% darker color. If you saturate the color by 10%, you get **18.5606, 18.0050, 26.5422**, and if you desaturate by 10%, it is **25.1585, 26.7557, 27.8835**.

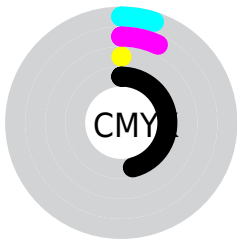
Distribution



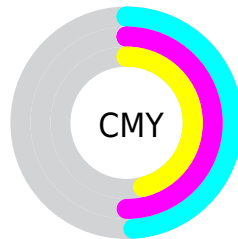
- Red (51%)
- Green (50%)
- Blue (54%)



- Red (51%)
- Yellow (50%)
- Blue (54%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)



- Cyan (49%)
- Magenta (50%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6667, 22.0986, 27.1683 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 21.6667, 22.0986, 27.1683 by changing the saturation by 10% instead.

■ 21.6667, 22.0986,
27.1683

■ 21.6667, 22.0986,
27.1683

253.4659,
263.0608, 302.2570

■ 13.7274, 13.9294,
17.4661

■ 45.6775, 46.9089,
56.1608

■ 8.0118, 8.0716,
10.4019

■ 62.4797, 64.3188,
76.2883

■ 4.1543, 4.1408,
5.5572

■ 82.9669, 85.5776,
100.7278

■ 1.7898, 1.7526,
2.5133

107.5045,
111.0699, 129.8981

■ 0.5115, 0.4574,
0.8472

136.4579,
141.1799, 164.2176

■ 0.0000, 0.0000,
0.0000

170.1923,

176.2922, 204.1049

209.0732,
216.7910, 249.9785

■ 21.6667, 22.0986,
27.1683

■ 21.6667, 22.0986,
27.1683

■ 18.5606, 18.0050,
26.5422

■ 25.1585, 26.7557,
27.8835

■ 15.8246, 14.4505,
26.0003

■ 29.0471, 31.9939,
28.6896

■ 13.4449, 11.4129,
25.5394

■ 33.3452, 37.8335,
29.5903

■ 11.4062, 8.8678,
25.1556

■ 38.0647, 44.2929,
30.5883

■ 9.6918, 6.7882,
24.8446

■ 43.2168, 51.3899,
31.6866

8.2836, 5.1449,
24.6016

48.8124, 59.1413,
32.8879

7.1616, 3.9051,
24.4214

54.8620, 67.5636,
34.1947

6.3030, 3.0310,
24.2980

61.3755, 76.6724,
35.6096

5.6694, 2.4540,
24.2200

68.3628, 86.4829,
37.1349

Harmonies

Analogous

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



21.0514, 22.0986, 27.7576



21.6667, 22.0986, 27.1683



22.1115, 22.0986, 25.7426

Triad

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



21.6667, 22.0986, 27.1683



21.5831, 22.0986, 21.0769



19.7983, 22.0986, 24.1975

Complementary

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



21.6667, 22.0986, 27.1683



22.9773, 24.8870, 24.0158

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.



19.9342, 22.0986, 22.4555



21.6667, 22.0986, 27.1683



20.9567, 22.0986, 20.7092

Square

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



21.6667, 22.0986, 27.1683



22.0625, 22.0986, 22.2319



20.3551, 22.0986, 21.2013



19.9800, 22.0986, 25.9891

Rectangle

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



21.6667, 22.0986, 27.1683



22.2469, 22.0986, 24.5427



20.3551, 22.0986, 21.2013



19.8084, 22.0986, 23.5868

Sweetspot

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



21.6673, 22.0995, 27.1688



41.3072, 43.0973, 48.5247



22.1775, 23.7994, 27.4700



9.2842, 9.6921, 10.8878



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.



21.6673, 22.0995, 27.1688



37.0730, 37.4717, 47.6620



22.4336, 22.4946, 27.2046



4.9065, 4.9602, 6.3047



5.0719, 2.1288, 22.1893



0.0471, 0.0210, 0.1480

Inverse Universe

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



22.5744, 22.5919, 26.0936



39.0812, 38.5620, 45.2658



22.2170, 24.4951, 23.9802



5.1710, 5.1038, 5.9891



11.5784, 5.7415, 10.8161



0.0834, 0.0407, 0.1060

Previews

White Background



This preview shows how the XYZ color 21.6667, 22.0986, 27.1683 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 21.6667, 22.0986, 27.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

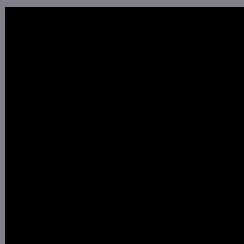
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

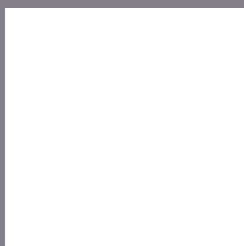
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6667, 22.0986, 27.1683

Background



This preview shows how black text looks on a background with the XYZ color 21.6667, 22.0986, 27.1683.

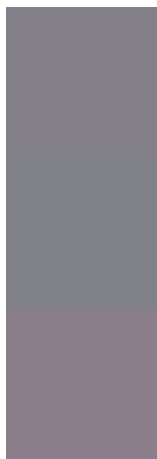


This preview shows how white text looks on a background with the XYZ color 21.6667, 22.0986,

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

21.6667, 22.0986, 27.1683

Protanopia

21.4910, 22.2026, 27.1976

Deuteranopia

22.5295, 22.1600, 27.1346



Tritanopia

21.6667, 22.0986, 27.1683

Trichromacy



Original Color

21.6667, 22.0986, 27.1683

Protanomaly

21.6436, 22.2813, 27.2047

Deuteranomaly

22.1685, 22.1646, 27.1545

Tritanomaly

21.6667, 22.0986, 27.1683

Monochromacy



Original Color

21.6667, 22.0986, 27.1683

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2898, 22.1398, 25.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6667, 22.0986, 27.1683 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(131, 128, 138)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 128, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 138) }
```

Border

The CSS property to change the border of an element to XYZ 21.6667, 22.0986, 27.1683 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(131, 128, 138) }
```


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

```
.border{ border-color:rgb(131, 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(131, 128, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 138);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6667, 22.0986, 27.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 138) }
```

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

```
.background{ background-color: rgb(131,  
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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