

Converting Colors

XYZ(20.8712, 22.1735, 23.4123)

Have a look what the booklet for
XYZ(20.8712, 22.1735, 23.4123)
contains.

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Color

**XYZ(20.8667, 22.1647,
23.2571)**

Conversions

Conversions Part 1

Format	Color
Hex	81827F
RGB	129, 130, 127
RGB Percent	51%, 51%, 50%
CMY	0.4941, 0.4902, 0.5020
CMYK	0.01, 0.00, 0.02, 0.49
HSL	80°, 1%, 50%
HSV	80°, 2%, 51%
XYZ	20.8667, 22.1647, 23.2571
YIQ	129.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

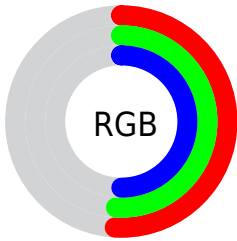
Format	Color
RYB	127, 130, 128
Decimal	8487551
CIELab	54.20, -0.96, 1.48
CIELCh	54, 1.768, 122.950
Yxy	22.1647, 0.3148, 0.3344
Android (android.graphics.Color)	4286677631 (0xFF81827F)
YUV	129.3590, -1.1630, -0.3148
Hunter-Lab	47.0794, -3.2735, 3.6665

Details

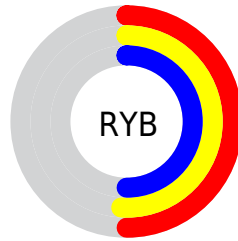
The XYZ color **20.8667, 22.1647, 23.2571** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.5215, 21.3802, 24.1654**, and the grayscale version is **20.9966, 22.0900, 24.0560**.

A 20% lighter version of the original color is **44.4631, 47.1073, 49.9292**, and **7.6258, 8.1404, 8.3771** is the 20% darker color. If you saturate the color by 10%, you get **19.4286, 21.5156, 19.0487**, and if you desaturate by 10%, it is **22.4434, 22.8739, 28.0436**.

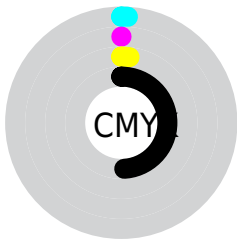
Distribution



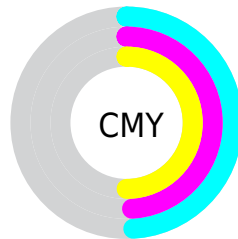
- Red (51%)
- Green (51%)
- Blue (50%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8667, 22.1647, 23.2571 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 20.8667, 22.1647, 23.2571 by changing the saturation by 10% instead.

■ 20.8667, 22.1647,
23.2571

■ 20.8667, 22.1647,
23.2571

249.3144,
263.4052, 282.2074

■ 13.1385, 13.9780,
14.5764

■ 44.3585, 47.0181,
49.7437

■ 7.6016, 8.1053,
8.3793

■ 60.8529, 64.4535,
68.3866

■ 3.8908, 4.1624,
4.2474

■ 81.0000, 85.7406,
91.1874

■ 1.6405, 1.7648,
1.7620

105.1652,
111.2638, 118.5645

■ 0.4186, 0.4651,
0.4027

133.7139,
141.4074, 150.9365

■ 0.0000, 0.0000,
0.0000

167.0114,

176.5559, 188.7220

205.4231,
217.0937, 232.3394

■ 20.8667, 22.1647,
23.2571

■ 20.8667, 22.1647,
23.2571

■ 19.4286, 21.5156,
19.0487

■ 22.4434, 22.8739,
28.0436

■ 18.1227, 20.9219,
15.3952

■ 24.1611, 23.6420,
33.4276

■ 16.9450, 20.3827,
12.2737

■ 26.0245, 24.4717,
39.4292

■ 15.8902, 19.8957,
9.6593

■ 28.0375, 25.3646,
46.0671

■ 14.9530, 19.4588,
7.5252

■ 30.2037, 26.3222,
53.3594

■ 14.1273, 19.0696,
5.8418

■ 32.5269, 27.3459,
61.3234

■ 13.4067, 18.7253,
4.5767

■ 35.0104, 28.4373,
69.9756

■ 12.7837, 18.4231,
3.6928

■ 37.6577, 29.5977,
79.3320

■ 12.2496, 18.1593,
3.1466

■ 40.4719, 30.8283,
89.4084

Harmonies

Analogous

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



21.0479, 22.1647, 23.0929



20.8667, 22.1647, 23.2571



20.7398, 22.1647, 23.6559

Triad

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



20.8667, 22.1647, 23.2571



20.8994, 22.1647, 25.0876



21.4378, 22.1647, 24.0792

Complementary

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



20.8667, 22.1647, 23.2571



20.5215, 21.3802, 24.1654

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.



21.3974, 22.1647, 24.6177



20.8667, 22.1647, 23.2571



21.0859, 22.1647, 25.2051

Square

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



20.8667, 22.1647, 23.2571



20.7586, 22.1647, 24.7133



21.2683, 22.1647, 25.0318



21.3782, 22.1647, 23.5630

Rectangle

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



20.8667, 22.1647, 23.2571



20.7026, 22.1647, 24.0040



21.2683, 22.1647, 25.0318



21.4354, 22.1647, 24.2636

Sweetspot

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



20.8673, 22.1657, 23.2576



37.0906, 39.1882, 41.9830



20.7566, 21.7172, 23.1769



8.3997, 8.8721, 9.5160



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.8673, 22.1657, 23.2576



36.5466, 38.9431, 40.3589



20.6411, 22.0491, 23.2470



4.7105, 5.0312, 5.1660



11.3957, 17.2371, 2.7265



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.5215, 21.3802, 24.1654



35.7414, 37.1144, 42.4725



20.7488, 21.4974, 24.1760



4.5876, 4.7520, 5.4887



4.8410, 2.0493, 20.3904



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.8667, 22.1647, 23.2571 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 20.8667, 22.1647, 23.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

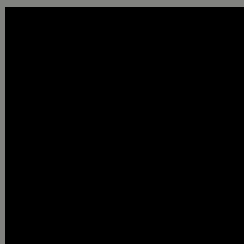
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

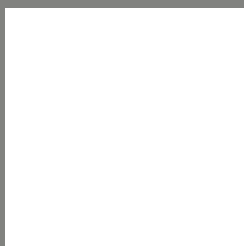
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8667, 22.1647, 23.2571

Background



This preview shows how black text looks on a background with the XYZ color 20.8667, 22.1647, 23.2571.



This preview shows how white text looks on a background with the XYZ color 20.8667, 22.1647,

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

20.8667, 22.1647, 23.2571

Protanopia

21.2890, 22.1934, 22.9004

Deuteranopia

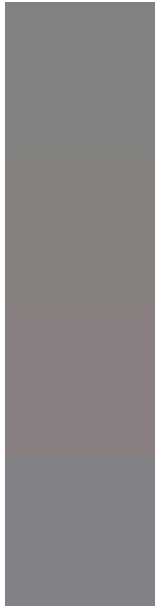
22.5576, 22.0654, 23.4922



Tritanopia

21.6667, 22.0986, 27.1683

Trichromacy



Original Color

20.8667, 22.1647, 23.2571

Protanomaly

21.1319, 22.1124, 22.8930

Deuteranomaly

21.9669, 22.1405, 23.5378

Tritanomaly

21.3593, 22.1676, 25.7073

Monochromacy



Original Color

20.8667, 22.1647, 23.2571

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7998, 21.9262, 23.5580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8667, 22.1647, 23.2571 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, 130, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 130, 127)  
}
```

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, 130, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 130, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.8667, 22.1647, 23.2571 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, 130, 127) }
```


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

```
.border{ border-color:rgb(129, 130, 127) }
```

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

Here you see how a box with a 4 pixel rgb(129, 130, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 130, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 130, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 130,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8667, 22.1647, 23.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 130, 127) }
```

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

```
.background{ background-color: rgb(129,  
130, 127) }
```

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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