

Converting Colors

XYZ(21.1140, 22.1416, 23.1024)

Have a look what the booklet for
XYZ(21.1140, 22.1416, 23.1024)
contains.

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Color

**XYZ(21.0411, 22.0581,
23.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	83817F
RGB	131, 129, 127
RGB Percent	51%, 51%, 50%
CMY	0.4863, 0.4941, 0.5020
CMYK	0.00, 0.02, 0.03, 0.49
HSL	30°, 2%, 51%
HSV	30°, 3%, 51%
XYZ	21.0411, 22.0581, 23.2273
YIQ	129.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

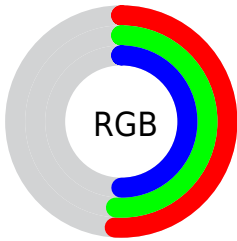
Format	Color
R _Y B	131, 131, 127
Decimal	8618367
CIE Lab	54.09, 0.36, 1.34
CIE LCh	54, 1.388, 74.868
Yxy	22.0581, 0.3172, 0.3326
Android (android.graphics.Color)	4286808447 (0xFF83817F)
YUV	129.3700, -1.1684, 1.4295
Hunter-Lab	46.9661, -2.2214, 3.5541

Details

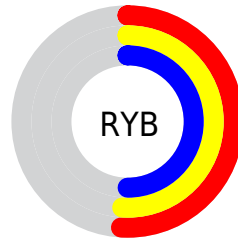
The XYZ color **21.0411, 22.0581, 23.2273** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.6994, 21.8510, 24.5998**, and the grayscale version is **21.0001, 22.0937, 24.0600**.

A 20% lighter version of the original color is **44.7333, 46.9415, 49.8829**, and **7.7235, 8.0812, 8.3605** is the 20% darker color. If you saturate the color by 10%, you get **19.4081, 20.0705, 18.7411**, and if you desaturate by 10%, it is **22.8416, 24.2024, 28.3177**.

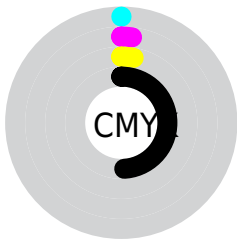
Distribution



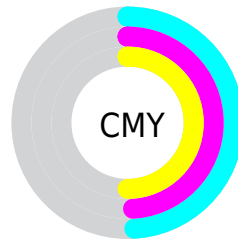
- Red (51%)
- Green (51%)
- Blue (50%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0411, 22.0581, 23.2273 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 21.0411, 22.0581, 23.2273 by changing the saturation by 10% instead.

■ 21.0411, 22.0581,
23.2273

■ 21.0411, 22.0581,
23.2273

250.2244,
262.8495, 282.0500

■ 13.2667, 13.8996,
14.5546

■ 44.6467, 46.8420,
49.6942

■ 7.6907, 8.0509,
8.3642

■ 61.2086, 64.2362,
68.3254

■ 3.9478, 4.1275,
4.2378

■ 81.4303, 85.4777,
91.1133

■ 1.6727, 1.7451,
1.7567

105.6773,
110.9510, 118.4762

■ 0.4391, 0.4526,
0.3991

134.3148,
141.0405, 150.8328

■ 0.0000, 0.0000,
0.0000

167.7083,

176.1304, 188.6016

206.2230,
216.6053, 232.2011

■ 21.0411, 22.0581,
23.2273

■ 21.0411, 22.0581,
23.2273

■ 19.4081, 20.0705,
18.7411

■ 22.8416, 24.2024,
28.3177

■ 17.9354, 18.2329,
14.8348

■ 24.8128, 26.5042,
34.0322

■ 16.6181, 16.5425,
11.4848

■ 26.9600, 28.9679,
40.3918

■ 15.4502, 14.9952,
8.6652

■ 29.2878, 31.5968,
47.4161

■ 14.4255, 13.5865,
6.3480

■ 31.8007, 34.3942,
55.1236

■ 13.5369, 12.3119,
4.5028

■ 34.5029, 37.3632,
63.5323

■ 12.7770, 11.1664,
3.0955

■ 37.3985, 40.5068,
72.6595

■ 12.1373, 10.1447,
2.0876

■ 40.4914, 43.8281,
82.5218

■ 11.6077, 9.2406,
1.4331

■ 43.7857, 47.3299,
93.1354

Harmonies

Analogous

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



21.1711, 22.0581, 23.4383



21.0411, 22.0581, 23.2273



20.8915, 22.0581, 23.2263

Triad

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



21.0411, 22.0581, 23.2273



20.6875, 22.0581, 24.2305



21.1701, 22.0581, 24.6090

Complementary

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



21.0411, 22.0581, 23.2273



20.6994, 21.8510, 24.5998

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.



21.0398, 22.0581, 24.8265



21.0411, 22.0581, 23.2273



20.7614, 22.0581, 24.6062

Square

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



21.0411, 22.0581, 23.2273



20.6878, 22.0581, 23.8021



20.8902, 22.0581, 24.8255



21.2458, 22.0581, 24.2342

Rectangle

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



21.0411, 22.0581, 23.2273



20.8008, 22.0581, 23.3448



20.8902, 22.0581, 24.8255



21.1312, 22.0581, 24.7031

Sweetspot

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



21.0417, 22.0591, 23.2278



38.3108, 40.2592, 43.3574



20.9122, 21.5893, 23.8342



8.9247, 9.3793, 10.1089



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



21.0417, 22.0591, 23.2278



37.3631, 39.1198, 40.7112



21.3075, 22.5906, 23.3164



5.0338, 5.2673, 5.4518



11.1096, 8.5417, 1.0632



0.0458, 0.0442, 0.0061

Inverse Universe

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



20.6994, 21.8510, 24.5998



36.5470, 38.6237, 43.9820



20.4388, 21.3298, 24.5129



4.9109, 5.1926, 5.9442



5.9201, 5.3880, 21.8647



0.0278, 0.0332, 0.0782

Previews

White Background



This preview shows how the XYZ color 21.0411, 22.0581, 23.2273 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 21.0411, 22.0581, 23.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

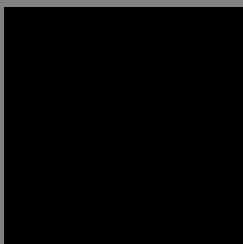
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

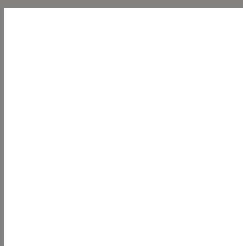
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0411, 22.0581, 23.2273

Background



This preview shows how black text looks on a background with the XYZ color 21.0411, 22.0581, 23.2273.

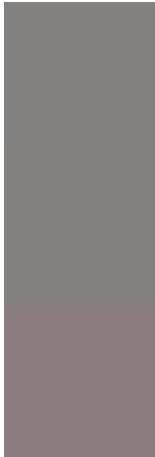


This preview shows how white text looks on a background with the XYZ color 21.0411, 22.0581,

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

21.0411, 22.0581, 23.2273

Protanopia

21.1967, 22.1384, 23.2346

Deuteranopia

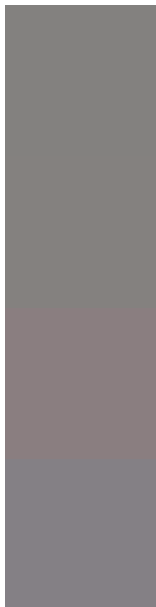
22.3852, 21.9765, 23.4841



Tritanopia

21.7776, 21.9714, 26.7600

Trichromacy



Original Color

21.0411, 22.0581, 23.2273

Protanomaly

21.1967, 22.1384, 23.2346

Deuteranomaly

21.8384, 21.8835, 23.4950

Tritanomaly

21.4685, 22.0373, 25.3124

Monochromacy



Original Color

21.0411, 22.0581, 23.2273

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9525, 22.0049, 23.5651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0411, 22.0581, 23.2273 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, 129, 127) looks like.

```
.text, #text, p{  
    color:rgb(131, 129, 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(131, 129, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 129, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.0411, 22.0581, 23.2273 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, 129, 127) }
```


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

```
.border{ border-color:rgb(131, 129, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 129, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 129, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 129, 127);  
box-shadow:4px 4px 4px 4px rgb(131, 129,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0411, 22.0581, 23.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 129, 127) }
```

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

```
.background{ background-color: rgb(131,  
129, 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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