

Converting Colors

XYZ(21.6908, 23.6404, 24.1936)

Have a look what the booklet for
XYZ(21.6908, 23.6404, 24.1936)
contains.

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Color

**XYZ(21.6797, 23.5801,
24.1776)**

Conversions

Conversions Part 1

Format	Color
Hex	818781
RGB	129, 135, 129
RGB Percent	51%, 53%, 51%
CMY	0.4941, 0.4706, 0.4941
CMYK	0.04, 0.00, 0.04, 0.47
HSL	120°, 2%, 52%
HSV	120°, 4%, 53%
XYZ	21.6797, 23.5801, 24.1776
YIQ	132.5220, -1.6500, -3.1380

Conversions

Conversions Part 2

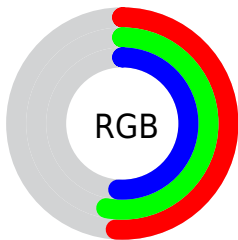
Format	Color
R_{YB}	129, 135, 135
Decimal	8488833
CIE _{Lab}	55.66, -3.40, 2.45
CIE _{LCh}	56, 4.193, 144.245
Yxy	23.5801, 0.3122, 0.3396
Android (android.graphics.Color)	4286678913 (0xFF818781)
YUV	132.5220, -1.7363, -3.0888
Hunter-Lab	48.5593, -5.2861, 4.4712

Details

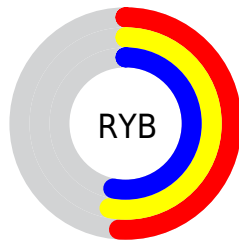
The XYZ color **21.6797, 23.5801, 24.1776** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2160, 22.6013, 26.1145**, and the grayscale version is **22.1279, 23.2802, 25.3522**.

A 20% lighter version of the original color is **45.7181, 49.2889, 51.3601**, and **8.0047, 8.7817, 8.8626** is the 20% darker color. If you saturate the color by 10%, you get **18.9241, 22.2571, 19.6697**, and if you desaturate by 10%, it is **24.8262, 25.0922, 29.3237**.

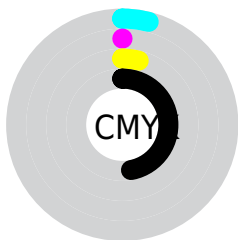
Distribution



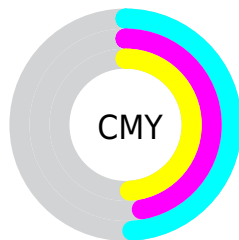
- Red (51%)
- Green (53%)
- Blue (51%)



- Red (51%)
- Yellow (53%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6797, 23.5801, 24.1776 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 21.6797, 23.5801, 24.1776 by changing the saturation by 10% instead.

■ 21.6797, 23.5801,
24.1776

■ 21.6797, 23.5801,
24.1776

253.5329,
270.6907, 287.0326

■ 13.7370, 15.0224,
15.2520

■ 45.6988, 49.3441,
51.2673

■ 8.0185, 8.8351,
8.8479

■ 62.5060, 67.3192,
70.2685

■ 4.1587, 4.6338,
4.5466

■ 82.9987, 89.2023,
93.4653

■ 1.7923, 2.0340,
1.9298

107.5424,
115.3777, 121.2763

■ 0.5130, 0.6271,
0.5116

136.5022,
146.2299, 154.1200

■ 0.0000, 0.0000,
0.0000

170.2437,

182.1432, 192.4149

209.1322,
223.5020, 236.5796

■ 21.6797, 23.5801,
24.1776

■ 21.6797, 23.5801,
24.1776

■ 18.9241, 22.2571,
19.6697

■ 24.8262, 25.0922,
29.3237

■ 16.5423, 21.1130,
15.7738

■ 28.3759, 26.7973,
35.1300

■ 14.5187, 20.1410,
12.4638

■ 32.3431, 28.7030,
41.6192

■ 12.8361, 19.3328,
9.7116

■ 36.7408, 30.8154,
48.8125

■ 11.4756, 18.6793,
7.4863

■ 41.5814, 33.1406,
56.7302

■ 10.4168, 18.1707,
5.7544

■ 46.8767, 35.6842,
65.3918

■ 9.6367, 17.7959,
4.4784

■ 52.6383, 38.4518,
74.8159

■ 9.1090, 17.5425,
3.6153

■ 58.8771, 41.4486,
85.0208

■ 8.7994, 17.3937,
3.1089

■ 65.6039, 44.6798,
96.0237

Harmonies

Analogous

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



22.0395, 23.5801, 23.3646



21.6797, 23.5801, 24.1776



21.5164, 23.5801, 25.4135

Triad

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



21.6797, 23.5801, 24.1776



22.3208, 23.5801, 28.3640



23.2546, 23.5801, 24.6163

Complementary

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



21.6797, 23.5801, 24.1776



22.2160, 22.6013, 26.1145

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.



23.3325, 23.5801, 25.9377



21.6797, 23.5801, 24.1776



22.7890, 23.5801, 28.1323

Square

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



21.6797, 23.5801, 24.1776



21.8831, 23.5801, 27.8547



23.1610, 23.5801, 27.2324



22.9497, 23.5801, 23.6116

Rectangle

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



21.6797, 23.5801, 24.1776



21.5392, 23.5801, 26.3232



23.1610, 23.5801, 27.2324



23.3084, 23.5801, 25.0369

Sweetspot

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



21.6804, 23.5811, 24.1781



40.6721, 43.1151, 46.3202



22.6052, 24.0372, 24.2174



9.4280, 9.9892, 10.7415



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.



21.6804, 23.5811, 24.1781



38.4733, 42.0588, 42.7236



21.8760, 23.6594, 25.2084



4.8510, 5.3175, 5.3746



7.9893, 15.9786, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



22.2160, 22.6013, 26.1145



39.5714, 40.0502, 46.6932



22.0145, 22.5207, 25.0531



4.9995, 5.0460, 5.9112



13.2461, 6.3628, 21.6667



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 21.6797, 23.5801, 24.1776 looks on a white background.

Color Contrast Check

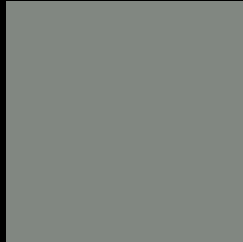
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6797, 23.5801, 24.1776 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

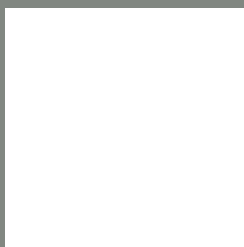
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6797, 23.5801, 24.1776

Background



This preview shows how black text looks on a background with the XYZ color 21.6797, 23.5801, 24.1776.



This preview shows how white text looks on a background with the XYZ color 21.6797, 23.5801,

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

21.6797, 23.5801, 24.1776

Protanopia

22.6003, 23.6519, 23.7962

Deuteranopia

23.9121, 23.5153, 24.3977



Tritanopia

22.7055, 23.5835, 29.3420

Trichromacy



Original Color

21.6797, 23.5801, 24.1776

Protanomaly

22.2529, 23.6770, 23.8193

Deuteranomaly

22.9608, 23.4198, 24.4294

Tritanomaly

22.3185, 23.6310, 27.4297

Monochromacy



Original Color

21.6797, 23.5801, 24.1776

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2057, 23.6217, 25.2189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6797, 23.5801, 24.1776 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, 135, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 135, 129)  
}
```

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, 135, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 135, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.6797, 23.5801, 24.1776 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, 135, 129) }
```


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

```
.border{ border-color:rgb(129, 135, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 135, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 135, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 135, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 135,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6797, 23.5801, 24.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 135, 129) }
```

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

```
.background{ background-color: rgb(129,  
135, 129) }
```

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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