

Converting Colors

XYZ(21.7786, 21.9746, 24.6623)

Have a look what the booklet for
XYZ(21.7786, 21.9746, 24.6623)
contains.

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Color

**XYZ(21.8394, 22.0517,
24.5781)**

Conversions

Conversions Part 1

Format	Color
Hex	887F83
RGB	136, 127, 131
RGB Percent	53%, 50%, 51%
CMY	0.4667, 0.5019, 0.4863
CMYK	0.00, 0.07, 0.04, 0.47
HSL	333°, 4%, 52%
HSV	333°, 7%, 53%
XYZ	21.8394, 22.0517, 24.5781
YIQ	130.1470, 4.0800, 3.1520

Conversions

Conversions Part 2

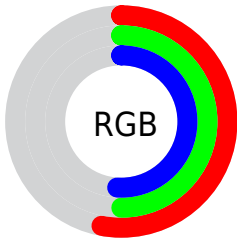
Format	Color
R_{YB}	136, 127, 131
Decimal	8945539
CIE Lab	54.08, 4.17, -0.94
CIE LCh	54, 4.275, 347.234
Yxy	22.0517, 0.3190, 0.3221
Android (android.graphics.Color)	4287135619 (0xFF887F83)
YUV	130.1470, 0.4205, 5.1331
Hunter-Lab	46.9592, 0.8366, 1.8395

Details

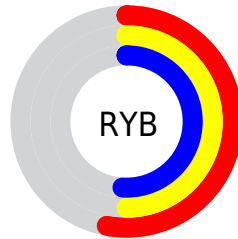
The XYZ color **21.8394, 22.0517, 24.5781** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7222, 23.7867, 25.2772**, and the grayscale version is **21.2682, 22.3758, 24.3672**.

A 20% lighter version of the original color is **45.9593, 46.9220, 51.9819**, and **8.0851, 8.0364, 9.1077** is the 20% darker color. If you saturate the color by 10%, you get **19.7066, 18.5760, 21.4317**, and if you desaturate by 10%, it is **24.2479, 26.0185, 28.0013**.

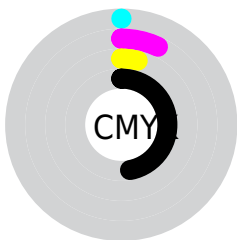
Distribution



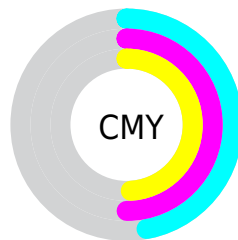
- Red (53%)
- Green (50%)
- Blue (51%)



- Red (53%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (7%)
- Yellow (4%)
- Black (47%)



- Cyan (47%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8394, 22.0517, 24.5781 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 21.8394, 22.0517, 24.5781 by changing the saturation by 10% instead.

■ 21.8394, 22.0517,
24.5781

■ 21.8394, 22.0517,
24.5781

254.3546,
262.8161, 289.1104

■ 13.8549, 13.8949,
15.5469

■ 45.9612, 46.8314,
51.9275

■ 8.1008, 8.0476,
9.0532

■ 62.8293, 64.2231,
71.0828

■ 4.2119, 4.1254,
4.6786

■ 83.3892, 85.4619,
94.4499

■ 1.8227, 1.7440,
2.0045

108.0064,
110.9322, 122.4472

■ 0.5313, 0.4519,
0.5581

137.0462,
141.0184, 155.4934

■ 0.0000, 0.0000,
0.0000

170.8739,

176.1049, 194.0070

209.8549,
216.5760, 238.4064

■ 21.8394, 22.0517,
24.5781

■ 21.8394, 22.0517,
24.5781

■ 19.7066, 18.5760,
21.4317

■ 24.2479, 26.0185,
28.0013

■ 17.8375, 15.5693,
18.5534

■ 26.9399, 30.4917,
31.7069

■ 16.2218, 13.0121,
15.9360

■ 29.9253, 35.4893,
35.7021

■ 14.8478, 10.8825,
13.5714

■ 33.2128, 41.0278,
39.9934

■ 13.7028, 9.1567,
11.4510

■ 36.8108, 47.1227,
44.5870

■ 12.7732, 7.8083,
9.5658

■ 40.7274, 53.7893,
49.4892

■ 12.0434, 6.8082,
7.9059

■ 44.9703, 61.0417,
54.7056

■ 11.4957, 6.1226,
6.4605

■ 49.5470, 68.8941,
60.2421

■ 11.1001, 5.6929,
5.2143

■ 54.4648, 77.3599,
66.1043

Harmonies

Analogous

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



21.6196, 22.0517, 25.7829



21.8394, 22.0517, 24.5781



21.8209, 22.0517, 23.2633

Triad

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



21.8394, 22.0517, 24.5781



20.6969, 22.0517, 21.6578



20.3610, 22.0517, 25.9306

Complementary

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



21.8394, 22.0517, 24.5781



21.7222, 23.7867, 25.2772

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.



20.1210, 22.0517, 24.7736



21.8394, 22.0517, 24.5781



20.3129, 22.0517, 22.3213

Square

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



21.8394, 22.0517, 24.5781



21.1567, 22.0517, 21.6098



20.1035, 22.0517, 23.4518



20.7635, 22.0517, 26.5829

Rectangle

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



21.8394, 22.0517, 24.5781



21.6760, 22.0517, 22.5013



20.1035, 22.0517, 23.4518



20.2589, 22.0517, 25.5859

Sweetspot

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



21.8400, 22.0527, 24.5786



40.3673, 41.9494, 46.0111



21.5420, 21.8589, 26.3765



9.3620, 9.7370, 10.6747



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.



21.8400, 22.0527, 24.5786



37.8712, 37.8525, 42.4187



21.6325, 22.0628, 23.1983



5.1192, 5.0831, 5.7160



10.3971, 5.2689, 4.5954



0.0763, 0.0379, 0.0684

Inverse Universe

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



21.8400, 22.0527, 24.5786



37.8712, 37.8525, 42.4187



21.9379, 23.7718, 26.7248



5.1192, 5.0831, 5.7160



10.3971, 5.2689, 4.5954



0.0763, 0.0379, 0.0684

Previews

White Background



This preview shows how the XYZ color 21.8394, 22.0517, 24.5781 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 21.8394, 22.0517, 24.5781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

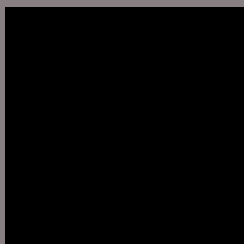
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8394, 22.0517, 24.5781

Background



This preview shows how black text looks on a background with the XYZ color 21.8394, 22.0517, 24.5781.



This preview shows how white text looks on a background with the XYZ color 21.8394, 22.0517,

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

21.8394, 22.0517, 24.5781

Protanopia

21.3752, 22.1918, 24.9866

Deuteranopia

22.4149, 21.9686, 24.5317



Tritanopia

22.2213, 22.0176, 26.3712

Trichromacy



Original Color

21.8394, 22.0517, 24.5781

Protanomaly

21.5569, 22.0908, 24.9576

Deuteranomaly

22.2050, 22.0494, 24.5584

Tritanomaly

22.0805, 21.9613, 25.6294

Monochromacy



Original Color

21.8394, 22.0517, 24.5781

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3952, 22.2178, 24.2799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8394, 22.0517, 24.5781 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(136, 127, 131)` looks like.

```
.text, #text, p{  
    color:rgb(136, 127, 131)  
}
```

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(136, 127, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 127, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.8394, 22.0517, 24.5781 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(136, 127, 131) }
```


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

```
.border{ border-color:rgb(136, 127, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 127, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 127, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 127, 131);  
box-shadow:4px 4px 4px 4px rgb(136, 127,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8394, 22.0517, 24.5781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 127, 131) }
```

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

```
.background{ background-color: rgb(136,  
127, 131) }
```

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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