

Converting Colors

XYZ(18.3795, 21.5416, 20.6279)

Have a look what the booklet for
XYZ(18.3795, 21.5416, 20.6279)
contains.

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Color

**XYZ(18.3994, 21.5517,
20.6429)**

Conversions

Conversions Part 1

Format	Color
Hex	708577
RGB	112, 133, 119
RGB Percent	44%, 52%, 47%
CMY	0.5608, 0.4784, 0.5333
CMYK	0.16, 0.00, 0.11, 0.48
HSL	140°, 9%, 48%
HSV	140°, 16%, 52%
XYZ	18.3994, 21.5517, 20.6429
YIQ	125.1250, -8.0220, -8.8060

Conversions

Conversions Part 2

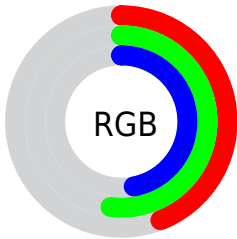
Format	Color
RYB	112, 128, 133
Decimal	7374199
CIELab	53.55, -10.54, 5.02
CIELCh	54, 11.669, 154.543
Yxy	21.5517, 0.3037, 0.3557
Android (android.graphics.Color)	4285564279 (0xFF708577)
YUV	125.1250, -3.0196, -11.5106
Hunter-Lab	46.4238, -10.4958, 6.1327

Details

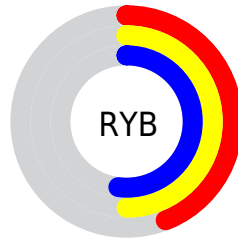
The XYZ color **18.3994, 21.5517, 20.6429** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2337, 18.0818, 22.2161**, and the grayscale version is **19.5473, 20.5653, 22.3956**.

A 20% lighter version of the original color is **40.2194, 45.9506, 45.2776**, and **6.3449, 7.7314, 7.1191** is the 20% darker color. If you saturate the color by 10%, you get **16.3227, 20.5404, 17.8945**, and if you desaturate by 10%, it is **20.7771, 22.7136, 23.6658**.

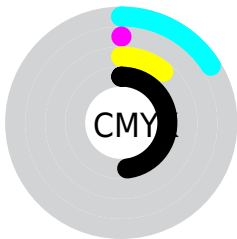
Distribution



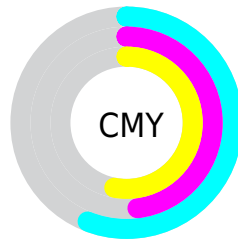
- Red (44%)
- Green (52%)
- Blue (47%)



- Red (44%)
- Yellow (50%)
- Blue (52%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (48%)



- Cyan (56%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3994, 21.5517, 20.6429 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 18.3994, 21.5517, 20.6429 by changing the saturation by 10% instead.

■ 18.3994, 21.5517,
20.6429

■ 18.3994, 21.5517,
20.6429

236.1150,
260.1961, 268.0930

■ 11.3385, 13.5279,
12.6745

■ 40.2415, 46.0039,
45.3655

■ 6.3640, 7.7930,
7.0767

■ 55.7534, 63.2011,
62.9568

■ 3.1104, 3.9628,
3.4310

■ 74.8131, 84.2249,
84.5929

■ 1.2124, 1.6528,
1.3187

■ 97.7859, 109.4596,
110.6922

■ 0.1161, 0.3928,
0.0770

125.0371,
139.2897, 141.6733

■ 0.0000, 0.0000,
0.0000

156.9321,

174.0996, 177.9548

193.8363,
214.2736, 219.9552

■ 18.3994, 21.5517,
20.6429

■ 18.3994, 21.5517,
20.6429

■ 16.3227, 20.5404,
17.8945

■ 20.7771, 22.7136,
23.6658

■ 14.5328, 19.6708,
15.4114

■ 23.4654, 24.0292,
26.9689

■ 13.0172, 18.9371,
13.1861

■ 26.4759, 25.5048,
30.5599

■ 11.7617, 18.3323,
11.2103

■ 29.8191, 27.1457,
34.4456

■ 10.7508, 17.8486,
9.4751

■ 33.5047, 28.9569,
38.6324

■ 9.9672, 17.4771,
7.9711

■ 37.5423, 30.9430,
43.1268

■ 9.3913, 17.2080,
6.6883

■ 41.9411, 33.1088,
47.9349

■ 8.9928, 17.0259,
5.6155

■ 46.7098, 35.4586,
53.0627

■ 8.8488, 16.9602,
5.2228

■ 51.8569, 37.9967,
58.5161

Harmonies

Analogous

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



19.1576, 21.5517, 18.2634



18.3994, 21.5517, 20.6429



18.1910, 21.5517, 24.0130

Triad

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



18.3994, 21.5517, 20.6429



20.6743, 21.5517, 30.9794



22.5185, 21.5517, 19.7919

Complementary

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



18.3994, 21.5517, 20.6429



19.2337, 18.0818, 22.2161

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.



22.9626, 21.5517, 22.9276



18.3994, 21.5517, 20.6429



21.8708, 21.5517, 29.5736

Square

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



18.3994, 21.5517, 20.6429



19.4731, 21.5517, 30.2113



22.7209, 21.5517, 26.5357



21.5297, 21.5517, 17.8080

Rectangle

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



18.3994, 21.5517, 20.6429



18.3844, 21.5517, 26.4284



22.7209, 21.5517, 26.5357



22.7382, 21.5517, 20.7339

Sweetspot

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



18.4000, 21.5526, 20.6434



37.5138, 40.8242, 42.7630



19.9689, 22.4082, 18.6023



8.3904, 9.1674, 9.5579



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.



18.4000, 21.5526, 20.6434



31.5336, 37.9043, 35.1180



19.0428, 21.8097, 24.0281



4.6756, 5.2285, 5.3029



8.4317, 16.1555, 4.9928



0.0323, 0.0572, 0.0337

Inverse Universe

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



19.2337, 18.0818, 22.2161



33.3256, 30.4426, 38.4976



18.6114, 17.8329, 18.9389



4.7936, 4.7371, 5.5257



10.9218, 5.4331, 9.4266



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 18.3994, 21.5517, 20.6429 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 18.3994, 21.5517, 20.6429 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 18.3994, 21.5517, 20.6429

Background



This preview shows how black text looks on a background with the XYZ color 18.3994, 21.5517, 20.6429.



This preview shows how white text looks on a background with the XYZ color 18.3994, 21.5517,

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

18.3994, 21.5517, 20.6429

Protanopia

20.4146, 21.4262, 19.5827

Deuteranopia

21.6895, 21.2972, 21.0568



Tritanopia

19.9187, 21.5717, 27.9249

Trichromacy



Original Color

18.3994, 21.5517, 20.6429

Protanomaly

19.5186, 21.3448, 19.9208

Deuteranomaly

20.3396, 21.3601, 20.8202

Tritanomaly

19.3514, 21.5434, 24.9682

Monochromacy



Original Color

18.3994, 21.5517, 20.6429

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0401, 20.8615, 21.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3994, 21.5517, 20.6429 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(112, 133, 119)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 119)  
}
```

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(112, 133, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.3994, 21.5517, 20.6429 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(112, 133, 119) }
```


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

```
.border{ border-color:rgb(112, 133, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 119);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3994, 21.5517, 20.6429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 119) }
```

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

```
.background{ background-color: rgb(112,  
133, 119) }
```

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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