

Converting Colors

XYZ(21.4946, 35.0523, 31.6330)

Have a look what the booklet for
XYZ(21.4946, 35.0523, 31.6330)
contains.

XYZ(21.4818, 35.0309, 31.6160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4818, 35.0309,
31.6160)**

Conversions

Conversions Part 1

Format	Color
Hex	00B58F
RGB	0, 181, 143
RGB Percent	0%, 71%, 56%
CMY	0.9999, 0.2902, 0.4392
CMYK	1.00, 0.00, 0.21, 0.29
HSL	167°, 100%, 35%
HSV	167°, 100%, 71%
XYZ	21.4818, 35.0309, 31.6160
YIQ	122.5490, -95.6780, -50.1900

Conversions

Conversions Part 2

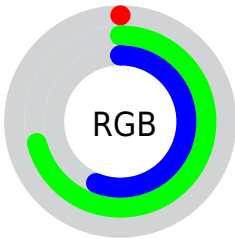
Format	Color
RYB	0, 101, 181
Decimal	46479
CIELab	65.77, -47.90, 8.55
CIELCh	66, 48.660, 169.881
Yxy	35.0309, 0.2438, 0.3975
Android (android.graphics.Color)	4278236559 (0xFF00B58F)
YUV	122.5490, 10.0823, -107.4755
Hunter-Lab	59.1869, -38.7908, 9.7598

Details

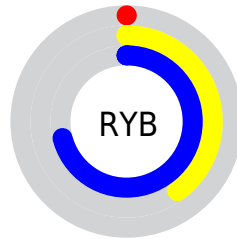
The XYZ color **21.4818, 35.0309, 31.6160** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.4072, 9.9647, 2.7362**, and the grayscale version is **18.6714, 19.6438, 21.3921**.

A 20% lighter version of the original color is **45.4765, 67.6671, 63.4875**, and **9.5652, 15.9691, 12.9341** is the 20% darker color. If you saturate the color by 10%, you get **21.4821, 35.0320, 31.6149**, and if you desaturate by 10%, it is **22.0271, 35.2791, 33.1710**.

Distribution



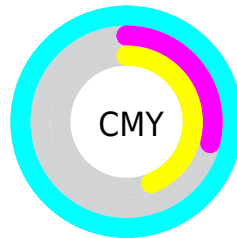
- Red (0%)
- Green (71%)
- Blue (56%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4818, 35.0309, 31.6160 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 21.4818, 35.0309, 31.6160 by changing the saturation by 10% instead.


 21.4818, 35.0309,
31.6160


 21.4818, 35.0309,
31.6160


252.5116,
324.7047, 323.8049


 13.5911, 23.6867,
20.8060


 45.3733, 67.5336,
63.2995


 7.9166, 15.1014,
12.7924


 62.1048, 89.4609,
85.0101


 4.0930, 8.8906,
7.1567


 82.5139, 115.6847,
111.1912

 1.7549, 4.6699,
3.4804

 106.9660,
146.5894, 142.2615

 0.4903, 2.0549,
1.3448

 135.8265,
182.5593, 178.6395

 0.0000, 0.6391,
0.0981

 169.4607,

 0.0000, 0.0000,

223.9789, 220.7437

0.0000

208.2339,
271.2326, 268.9927

■ 21.4818, 35.0309,
31.6160

■ 21.4818, 35.0309,
31.6160

■ 21.4821, 35.0320,
31.6149

■ 22.0271, 35.2791,
33.1710

■ 22.8135, 35.6495,
34.7879

■ 23.9296, 36.1887,
36.4722

■ 25.4178, 36.9186,
38.2262

■ 27.3140, 37.8577,
40.0522

■ 29.6501, 39.0224,
41.9521

■ 32.4543, 40.4272,
43.9277

■ 35.7529, 42.0856,
45.9806

■ 39.5698, 44.0101,
48.1125

Harmonies

Analogous

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



23.8247, 35.0309, 17.9341



21.4818, 35.0309, 31.6160



21.9385, 35.0309, 53.2108

Triad

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



21.4818, 35.0309, 31.6160



38.2089, 35.0309, 88.6409



42.9958, 35.0309, 15.2115

Complementary

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



21.4818, 35.0309, 31.6160



19.4072, 9.9647, 2.7362

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.



48.0204, 35.0309, 26.2271



21.4818, 35.0309, 31.6160



44.9935, 35.0309, 69.6710

Square

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



21.4818, 35.0309, 31.6160



30.9312, 35.0309, 91.7277



48.7998, 35.0309, 45.5110



35.7780, 35.0309, 10.9774

Rectangle

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



21.4818, 35.0309, 31.6160



23.7951, 35.0309, 69.4828



48.7998, 35.0309, 45.5110



45.0387, 35.0309, 18.0104

Sweetspot

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



21.4828, 35.0323, 31.6168



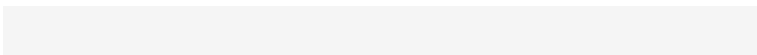
57.8439, 72.2617, 78.4858



17.3702, 33.4849, 5.5484



12.0335, 15.3833, 16.6436



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.4828, 35.0323, 31.6168



38.3868, 62.7050, 56.1673



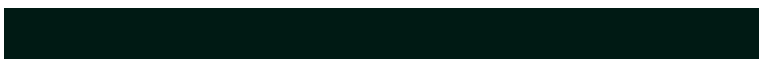
16.2872, 19.2287, 46.5707



8.6647, 9.6004, 10.4939



14.8347, 24.1598, 21.9301



0.4860, 0.7679, 0.7912

Inverse Universe

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



19.4072, 9.9647, 2.7362



34.6889, 17.8181, 4.5455



20.2538, 12.2181, 1.2915



8.5670, 8.5335, 9.2180



13.3993, 6.8773, 1.9967



0.4427, 0.2248, 0.1738

Previews

White Background



This preview shows how the XYZ color 21.4818, 35.0309, 31.6160 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.4818, 35.0309, 31.6160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

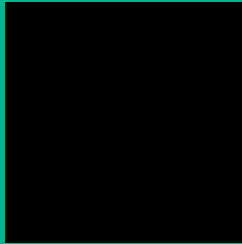
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4818, 35.0309, 31.6160

Background



This preview shows how black text looks on a background with the XYZ color 21.4818, 35.0309, 31.6160.

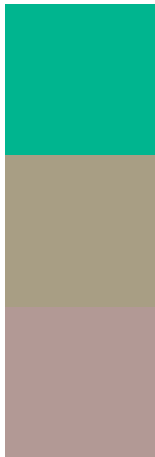


This preview shows how white text looks on a background with the XYZ color 21.4818, 35.0309, 31.6160.

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

21.4818, 35.0309, 31.6160

Protanopia

32.5402, 34.4445, 26.7632

Deuteranopia

35.1761, 34.4174, 33.2230



Tritanopia

26.0908, 35.1463, 53.5529

Trichromacy



Original Color

21.4818, 35.0309, 31.6160



Protanomaly

24.1436, 32.1758, 28.2306



Deuteranomaly

25.1737, 31.8117, 32.4172



Tritanomaly

23.8617, 34.7802, 44.4853

Monochromacy



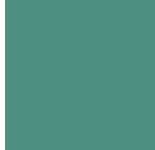
Original Color

21.4818, 35.0309, 31.6160



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.1444, 23.1779, 24.6893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4818, 35.0309, 31.6160 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(0, 181, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 143)  
}
```

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(0, 181, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 143) }
```

Border

The CSS property to change the border of an element to XYZ 21.4818, 35.0309, 31.6160 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(0, 181, 143) }
```


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

```
.border{ border-color:rgb(0, 181, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4818, 35.0309, 31.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 143) }
```

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

```
.background{ background-color: rgb(0, 181,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor