

Converting Colors

XYZ(11.0499, 29.2726, 21.1756)

Have a look what the booklet for
XYZ(11.0499, 29.2726, 21.1756)
contains.

XYZ(19.2146, 33.4780, 21.6688)	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(19.2146, 33.4780,
21.6688)**

Conversions

Conversions Part 1

Format	Color
Hex	00B373
RGB	0, 179, 115
RGB Percent	0%, 70%, 45%
CMY	0.9999, 0.2980, 0.5490
CMYK	1.00, 0.00, 0.36, 0.30
HSL	159°, 100%, 35%
HSV	159°, 100%, 70%
XYZ	19.2146, 33.4780, 21.6688
YIQ	118.1830, -86.1400, -57.8520

Conversions

Conversions Part 2

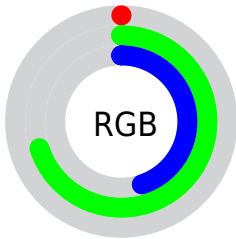
Format	Color
RYB	0, 109, 179
Decimal	45939
CIELab	64.55, -53.73, 22.11
CIELCh	65, 58.101, 157.638
Yxy	33.4780, 0.2584, 0.4502
Android (android.graphics.Color)	4278236019 (0xFF00B373)
YUV	118.1830, -1.5692, -103.6465
Hunter-Lab	57.8602, -41.9778, 18.2979

Details

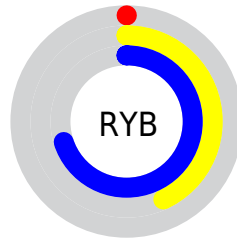
The XYZ color **19.2146, 33.4780, 21.6688** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.5171, 9.9547, 5.7454**, and the grayscale version is **17.3030, 18.2041, 19.8242**.

A 20% lighter version of the original color is **41.5866, 65.1606, 46.9446**, and **8.3170, 15.0606, 7.6229** is the 20% darker color. If you saturate the color by 10%, you get **19.2151, 33.4791, 21.6682**, and if you desaturate by 10%, it is **19.8445, 33.7595, 23.6891**.

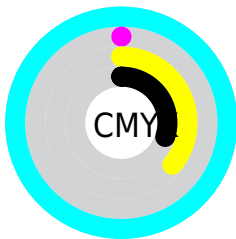
Distribution



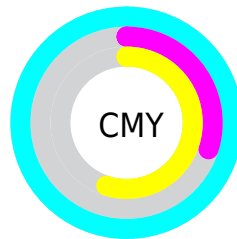
- Red (0%)
- Green (70%)
- Blue (45%)



- Red (0%)
- Yellow (43%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2146, 33.4780, 21.6688 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 19.2146, 33.4780, 21.6688 by changing the saturation by 10% instead.

■ 19.2146, 33.4780,
21.6688

■ 19.2146, 33.4780,
21.6688

■ 240.5464,
317.7982, 273.7086

■ 11.9304, 22.4929,
13.4178

■ 41.6105, 65.1211,
47.0931

■ 6.7681, 14.2195,
7.5827

■ 57.4528, 86.5478,
65.1035

■ 3.3626, 8.2735,
3.7452

■ 76.8786, 112.2239,
87.2041

■ 1.3483, 4.2704,
1.4866

■ 100.2532,
142.5337, 113.8133

■ 0.2189, 1.8260,
0.2079

■ 127.9419,
177.8617, 145.3499

■ 0.0000, 0.5033,
0.0000

■ 160.3101,

■ 0.0000, 0.0000,

218.5921, 182.2323

0.0000

197.7231,
265.1095, 224.8790

■ 19.2146, 33.4780,
21.6688

■ 19.2146, 33.4780,
21.6688

■ 19.2151, 33.4791,
21.6682

■ 19.8445, 33.7595,
23.6891

■ 20.7251, 34.1664,
25.8566

■ 21.9440, 34.7447,
28.1786

■ 23.5428, 35.5157,
30.6595

■ 25.5569, 36.4975,
33.3034

■ 28.0174, 37.7063,
36.1141

■ 30.9524, 39.1564,
39.0953

■ 34.3876, 40.8610,
42.2503

■ 38.3468, 42.8324,
45.5825

Harmonies

Analogous

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



23.0274, 33.4780, 10.8994



19.2146, 33.4780, 21.6688



18.4674, 33.4780, 42.8769

Triad

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



19.2146, 33.4780, 21.6688



33.9906, 33.4780, 103.1997



46.2209, 33.4780, 15.0431

Complementary

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



19.2146, 33.4780, 21.6688



19.5171, 9.9547, 5.7454

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.



50.4246, 33.4780, 30.7030



19.2146, 33.4780, 21.6688



42.6062, 33.4780, 86.0108

Square

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



19.2146, 33.4780, 21.6688



26.1207, 33.4780, 97.2445



48.9980, 33.4780, 56.7764



38.2930, 33.4780, 8.4002

Rectangle

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



19.2146, 33.4780, 21.6688



19.6620, 33.4780, 62.0603



48.9980, 33.4780, 56.7764



48.1740, 33.4780, 19.0811

Sweetspot

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



19.2155, 33.4793, 21.6696



55.1413, 69.9811, 69.7342



18.3435, 33.3873, 5.4780



11.7118, 15.2547, 14.9498



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.



19.2155, 33.4793, 21.6696



34.3016, 59.9137, 38.2223



19.8814, 26.7434, 46.7636



8.6111, 9.5789, 10.2116



13.6097, 23.6698, 15.4791



0.4548, 0.7554, 0.6271

Inverse Universe

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



19.5171, 9.9547, 5.7454



34.8553, 17.7883, 9.7747



18.9153, 10.2323, 0.9785



8.6177, 8.5538, 9.4854



13.8195, 7.0453, 4.2094



0.4633, 0.2331, 0.2824

Previews

White Background



This preview shows how the XYZ color 19.2146, 33.4780, 21.6688 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 19.2146, 33.4780, 21.6688 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 19.2146, 33.4780, 21.6688

Background



This preview shows how black text looks on a background with the XYZ color 19.2146, 33.4780, 21.6688.



This preview shows how white text looks on a background with the XYZ color 19.2146, 33.4780,

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

19.2146, 33.4780, 21.6688

Protanopia

30.4196, 32.7874, 18.0899

Deuteranopia

33.5517, 32.8451, 22.9837



Tritanopia

25.2645, 33.6433, 50.5096

Trichromacy



Original Color

19.2146, 33.4780, 21.6688



Protanomaly

22.0992, 30.7808, 19.2445



Deuteranomaly

23.1030, 30.1865, 22.0617



Tritanomaly

22.2691, 33.2264, 38.0405

Monochromacy



Original Color

19.2146, 33.4780, 21.6688



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.4906, 21.5364, 20.1701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2146, 33.4780, 21.6688 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, 179, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 115)  
}
```

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, 179, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.2146, 33.4780, 21.6688 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, 179, 115) }
```


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

```
.border{ border-color:rgb(0, 179, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2146, 33.4780, 21.6688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 115) }
```

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

```
.background{ background-color: rgb(0, 179,  
115) }
```

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