

Converting Colors

XYZ(19.6453, 30.3291, 19.0145)

Have a look what the booklet for
XYZ(19.6453, 30.3291, 19.0145)
contains.

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Color

**XYZ(19.6674, 30.3398,
19.0070)**

Conversions

Conversions Part 1

Format	Color
Hex	4EA76C
RGB	78, 167, 108
RGB Percent	31%, 65%, 42%
CMY	0.6941, 0.3451, 0.5765
CMYK	0.53, 0.00, 0.35, 0.35
HSL	140°, 36%, 48%
HSV	140°, 53%, 65%
XYZ	19.6674, 30.3398, 19.0070
YIQ	133.6630, -34.1050, -37.2170

Conversions

Conversions Part 2

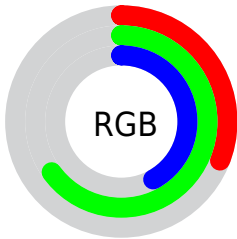
Format	Color
RYB	78, 145, 167
Decimal	5154668
CIELab	61.95, -40.24, 22.61
CIELCh	62, 46.158, 150.663
Yxy	30.3398, 0.2850, 0.4396
Android (android.graphics.Color)	4283344748 (0xFF4EA76C)
YUV	133.6630, -12.6519, -48.8165
Hunter-Lab	55.0816, -32.6576, 18.0979

Details

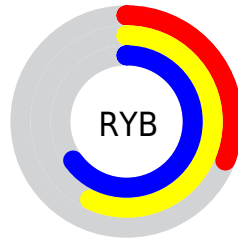
The XYZ color **19.6674, 30.3398, 19.0070** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.1771, 15.4711, 25.4327**, and the grayscale version is **22.5909, 23.7674, 25.8827**.

A 20% lighter version of the original color is **42.4057, 60.3000, 42.6617**, and **6.9845, 12.4390, 6.3078** is the 20% darker color. If you saturate the color by 10%, you get **17.9168, 29.5020, 16.0425**, and if you desaturate by 10%, it is **21.8419, 31.3892, 22.3833**.

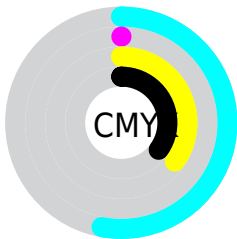
Distribution



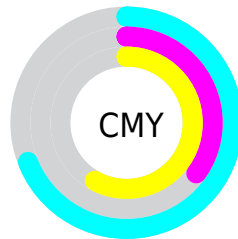
- Red (31%)
- Green (65%)
- Blue (42%)



- Red (31%)
- Yellow (57%)
- Blue (65%)



- Cyan (53%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (69%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6674, 30.3398, 19.0070 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 19.6674, 30.3398, 19.0070 by changing the saturation by 10% instead.

■ 19.6674, 30.3398,
19.0070

■ 19.6674, 30.3398,
19.0070

242.9769,
303.4851, 258.9114

■ 12.2604, 20.0966,
11.4985

■ 42.3671, 60.1991,
42.5828

■ 6.9947, 12.4653,
6.2848

■ 58.3904, 80.5841,
59.4871

■ 3.5051, 7.0614,
2.9474

■ 78.0165, 105.1185,
80.3605

■ 1.4262, 3.5005,
1.0679

■ 101.6108,
134.1867, 105.6214

■ 0.2747, 1.3983,
0.0000

■ 129.5387,
168.1730, 135.6884

■ 0.0000, 0.2155,
0.0000

162.1654,

■ 0.0000, 0.0000,

207.4619, 170.9800

0.0000

199.8563,
252.4379, 211.9149

■ 19.6674, 30.3398,
19.0070

■ 19.6674, 30.3398,
19.0070

■ 17.9168, 29.5020,
16.0425

■ 21.8419, 31.3892,
22.3833

■ 16.5581, 28.8570,
13.4718

■ 24.4645, 32.6598,
26.1844

■ 15.5582, 28.3891,
11.2784

■ 27.5606, 34.1652,
30.4252

■ 14.8773, 28.0780,
9.4440

■ 31.1526, 35.9168,
35.1195

■ 14.5402, 27.9269,
8.4031

■ 35.2618, 37.9252,
40.2802

■ 39.9080, 40.2003,
45.9197

■ 45.1099, 42.7517,
52.0502

■ 50.8856, 45.5884,
58.6831

■ 57.2520, 48.7188,
65.8296

Harmonies

Analogous

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



23.1905, 30.3398, 11.5541



19.6674, 30.3398, 19.0070



18.5105, 30.3398, 33.4306

Triad

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



19.6674, 30.3398, 19.0070



28.9749, 30.3398, 80.0984



40.3162, 30.3398, 18.5387

Complementary

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



19.6674, 30.3398, 19.0070



23.1771, 15.4711, 25.4327

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.



42.4289, 30.3398, 32.6423



19.6674, 30.3398, 19.0070



35.3331, 30.3398, 71.8159

Square

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



19.6674, 30.3398, 19.0070



23.3972, 30.3398, 72.4793



40.4885, 30.3398, 52.6753



35.0608, 30.3398, 11.3595

Rectangle

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



19.6674, 30.3398, 19.0070



19.0847, 30.3398, 46.5608



40.4885, 30.3398, 52.6753



41.4485, 30.3398, 22.4205

Sweetspot

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



19.6682, 30.3410, 19.0077



53.7670, 63.3348, 60.2886



25.5662, 33.5354, 12.3336



11.7444, 14.0328, 13.1171



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.6682, 30.3410, 19.0077



31.5810, 52.5932, 27.8184



22.6427, 31.5308, 34.6712



7.5372, 8.4479, 8.5490



11.1468, 21.3775, 6.5398



0.2949, 0.5296, 0.2841

Inverse Universe

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



23.1771, 15.4711, 25.4327



38.5224, 23.0684, 40.4481



20.6300, 14.4523, 12.0200



7.7328, 7.6230, 8.9102



14.4015, 7.1693, 12.1916



0.3728, 0.1834, 0.4145

Previews

White Background



This preview shows how the XYZ color 19.6674, 30.3398, 19.0070 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 19.6674, 30.3398, 19.0070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

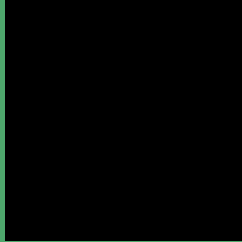
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.6674, 30.3398, 19.0070

Background



This preview shows how black text looks on a background with the XYZ color 19.6674, 30.3398, 19.0070.



This preview shows how white text looks on a background with the XYZ color 19.6674, 30.3398,

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

19.6674, 30.3398, 19.0070

Protanopia

27.7456, 29.9921, 16.3833

Deuteranopia

30.4823, 29.9511, 19.7973



Tritanopia

24.5638, 30.2077, 43.5657

Trichromacy



Original Color

19.6674, 30.3398, 19.0070

Protanomaly

23.6967, 29.5815, 17.2928

Deuteranomaly

24.9127, 29.1796, 19.3581

Tritanomaly

22.4650, 30.1344, 33.0663

Monochromacy



Original Color

19.6674, 30.3398, 19.0070

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9200, 25.6158, 23.2438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6674, 30.3398, 19.0070 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(78, 167, 108)` looks like.

```
.text, #text, p{  
    color:rgb(78, 167, 108)  
}
```

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(78, 167, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 167, 108) }
```

Border

The CSS property to change the border of an element to XYZ 19.6674, 30.3398, 19.0070 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(78, 167, 108) }
```


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

```
.border{ border-color:rgb(78, 167, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 167, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 167, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 167, 108);  
box-shadow:4px 4px 4px 4px rgb(78, 167,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6674, 30.3398, 19.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 167, 108) }
```

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

```
.background{ background-color: rgb(78, 167,  
108) }
```

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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