

Converting Colors

XYZ(19.8458, 30.5535, 17.0965)

Have a look what the booklet for
XYZ(19.8458, 30.5535, 17.0965)
contains.

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Color

**XYZ(19.8238, 30.4618,
17.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	54A765
RGB	84, 167, 101
RGB Percent	33%, 65%, 40%
CMY	0.6706, 0.3451, 0.6039
CMYK	0.50, 0.00, 0.40, 0.35
HSL	132°, 33%, 49%
HSV	132°, 50%, 65%
XYZ	19.8238, 30.4618, 17.1468
YIQ	134.6590, -28.2820, -38.1220

Conversions

Conversions Part 2

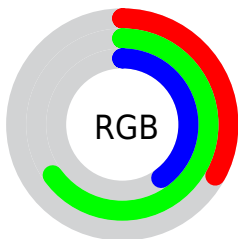
Format	Color
RYB	84, 153, 167
Decimal	5547877
CIELab	62.05, -39.91, 26.57
CIElCh	62, 47.940, 146.347
Yxy	30.4618, 0.2940, 0.4517
Android (android.graphics.Color)	4283737957 (0xFF54A765)
YUV	134.6590, -16.5939, -44.4279
Hunter-Lab	55.1922, -32.4732, 20.2147

Details

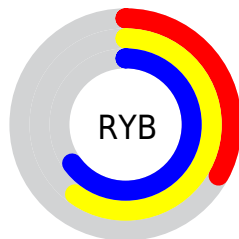
The XYZ color **19.8238, 30.4618, 17.1468** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.6126, 16.7587, 30.7926**, and the grayscale version is **22.9704, 24.1666, 26.3175**.

A 20% lighter version of the original color is **42.7849, 60.5642, 39.5721**, and **7.0608, 12.4983, 5.4084** is the 20% darker color. If you saturate the color by 10%, you get **17.9047, 29.5425, 13.9309**, and if you desaturate by 10%, it is **22.2060, 31.6094, 20.9346**.

Distribution



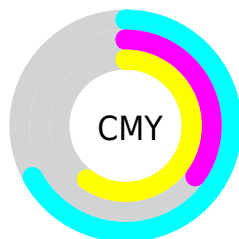
- Red (33%)
- Green (65%)
- Blue (40%)



- Red (33%)
- Yellow (60%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)



- Cyan (67%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8238, 30.4618, 17.1468 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 19.8238, 30.4618, 17.1468 by changing the saturation by 10% instead.

■ 19.8238, 30.4618,
17.1468

■ 19.8238, 30.4618,
17.1468

243.8114,
304.0511, 248.0895

■ 12.3745, 20.1894,
10.1761

■ 42.6278, 60.3917,
39.3721

■ 7.0733, 12.5328,
5.4088

■ 58.7132, 80.8180,
55.4638

■ 3.5547, 7.1076,
2.4261

■ 78.4081, 105.3977,
75.4330

■ 1.4535, 3.5295,
0.8006

■ 102.0777,
134.5152, 99.6982

■ 0.2938, 1.4140,
0.0000

130.0875,
168.5549, 128.6779

■ 0.0000, 0.2270,
0.0000

162.8029,

■ 0.0000, 0.0000,

207.9012, 162.7906

0.0000

200.5890,
252.9385, 202.4550

■ 19.8238, 30.4618,
17.1468

■ 19.8238, 30.4618,
17.1468

■ 17.9047, 29.5425,
13.9309

■ 22.2060, 31.6094,
20.9346

■ 16.4155, 28.8325,
11.2570

■ 25.0769, 32.9953,
25.3180

■ 15.3224, 28.3156,
9.0958


■ 28.4629, 34.6336,
30.3220


■ 14.5851, 27.9720,
7.4141


■ 32.3879, 36.5361,
35.9696


■ 14.1231, 27.7608,
6.1734


■ 36.8741, 38.7137,
42.2825

 14.1110, 27.7553,
6.1426

 41.9427, 41.1770,
49.2813

 47.6137, 43.9359,
56.9860

 53.9060, 46.9996,
65.4155

 60.8379, 50.3773,
74.5882

Harmonies

Analogous

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



23.7999, 30.4618, 10.4639



19.8238, 30.4618, 17.1468



18.2742, 30.4618, 30.9601

Triad

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



19.8238, 30.4618, 17.1468



28.1716, 30.4618, 82.6109



41.5213, 30.4618, 19.7919

Complementary

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



19.8238, 30.4618, 17.1468



24.6126, 16.7587, 30.7926

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.



43.1451, 30.4618, 35.4778



19.8238, 30.4618, 17.1468



34.8009, 30.4618, 76.1533

Square

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



19.8238, 30.4618, 17.1468



22.6214, 30.4618, 72.2899



40.5265, 30.4618, 56.9447



36.3680, 30.4618, 11.5458

Rectangle

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



19.8238, 30.4618, 17.1468



18.6261, 30.4618, 44.1785



40.5265, 30.4618, 56.9447



42.5281, 30.4618, 24.1577

Sweetspot

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



19.8246, 30.4631, 17.1475



53.9652, 63.4737, 58.6381



28.0715, 34.8010, 13.6254



11.7646, 14.0531, 12.6717



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.



19.8246, 30.4631, 17.1475



31.6507, 52.7086, 24.2282



22.3657, 31.4795, 30.5289



7.4973, 8.4319, 8.3388



10.8123, 21.2437, 4.7786



0.2802, 0.5237, 0.2063

Inverse Universe

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



24.6126, 16.7587, 30.7926



41.2315, 25.2040, 51.4713



21.8624, 15.6586, 16.3104



7.7751, 7.6399, 9.1328



15.4413, 7.5852, 17.6674



0.3919, 0.1910, 0.5152

Previews

White Background



This preview shows how the XYZ color 19.8238, 30.4618, 17.1468 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 19.8238, 30.4618, 17.1468 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 19.8238, 30.4618, 17.1468

Background



This preview shows how black text looks on a background with the XYZ color 19.8238, 30.4618, 17.1468.



This preview shows how white text looks on a background with the XYZ color 19.8238, 30.4618,

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

19.8238, 30.4618, 17.1468

Protanopia

27.6681, 29.9844, 14.9190

Deuteranopia

30.6078, 30.0536, 18.0976



Tritanopia

25.1157, 30.5032, 43.0921

Trichromacy



Original Color

19.8238, 30.4618, 17.1468



Protanomaly

23.8777, 29.7083, 15.7851



Deuteranomaly

25.1057, 29.3160, 17.6999



Tritanomaly

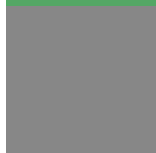
22.8280, 30.3489, 31.8489

Monochromacy



Original Color

19.8238, 30.4618, 17.1468



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.2113, 26.0105, 22.6415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8238, 30.4618, 17.1468 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(84, 167, 101)` looks like.

```
.text, #text, p{  
    color:rgb(84, 167, 101)  
}
```

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(84, 167, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 167, 101) }
```

Border

The CSS property to change the border of an element to XYZ 19.8238, 30.4618, 17.1468 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(84, 167, 101) }
```


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

```
.border{ border-color:rgb(84, 167, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 167, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 167, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 167, 101);  
box-shadow:4px 4px 4px 4px rgb(84, 167,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8238, 30.4618, 17.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 167, 101) }
```

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

```
.background{ background-color: rgb(84, 167,  
101) }
```

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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