

Converting Colors

XYZ(19.8965, 30.5573, 14.0898)

Have a look what the booklet for
XYZ(19.8965, 30.5573, 14.0898)
contains.

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Color

**XYZ(19.8946, 30.5662,
14.0838)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA758
RGB	91, 167, 88
RGB Percent	36%, 65%, 35%
CMY	0.6431, 0.3451, 0.6549
CMYK	0.46, 0.00, 0.47, 0.35
HSL	118°, 31%, 50%
HSV	118°, 47%, 65%
XYZ	19.8946, 30.5662, 14.0838
YIQ	135.2700, -19.9370, -40.6810

Conversions

Conversions Part 2

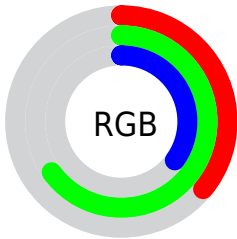
Format	Color
RYB	88, 167, 164
Decimal	6006616
CIELab	62.14, -39.94, 33.58
CIELCh	62, 52.177, 139.944
Yxy	30.5662, 0.3082, 0.4736
Android (android.graphics.Color)	4284196696 (0xFF5BA758)
YUV	135.2700, -23.3041, -38.8248
Hunter-Lab	55.2867, -32.5196, 23.5971

Details

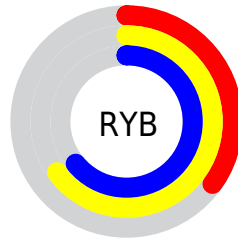
The XYZ color **19.8946, 30.5662, 14.0838** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **25.7760, 17.6629, 38.6116**, and the grayscale version is **23.2194, 24.4286, 26.6027**.

A 20% lighter version of the original color is **42.7249, 60.6592, 33.8826**, and **7.0935, 12.5452, 4.0551** is the 20% darker color. If you saturate the color by 10%, you get **17.8629, 29.5907, 10.7822**, and if you desaturate by 10%, it is **22.4254, 31.7825, 18.2372**.

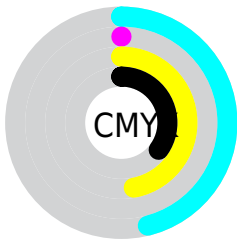
Distribution



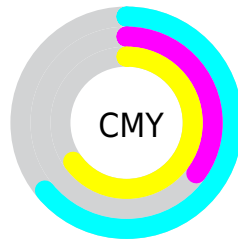
- Red (36%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (64%)



- Cyan (46%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)



- Cyan (64%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8946, 30.5662, 14.0838 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 19.8946, 30.5662, 14.0838 by changing the saturation by 10% instead.

■ 19.8946, 30.5662,
14.0838

■ 19.8946, 30.5662,
14.0838

244.1884,
304.5348, 229.1981

■ 12.4263, 20.2687,
8.0396

■ 42.7457, 60.5564,
33.9569

■ 7.1089, 12.5905,
4.0321

■ 58.8592, 81.0180,
48.6229

■ 3.5773, 7.1472,
1.6430

■ 78.5851, 105.6364,
66.9998

■ 1.4659, 3.5543,
0.3212

■ 102.2888,
134.7961, 89.5062

■ 0.3024, 1.4275,
0.0000

■ 130.3356,
168.8813, 116.5607

■ 0.0000, 0.2369,
0.0000

163.0909,

■ 0.0000, 0.0000,

208.2766, 148.5819

0.0000

200.9200,
253.3663, 185.9881

■ 19.8946, 30.5662,
14.0838

■ 19.8946, 30.5662,
14.0838

■ 17.8629, 29.5907,
10.7822

■ 22.4254, 31.7825,
18.2372

■ 16.2952, 28.8365,
8.2717

■ 25.4828, 33.2499,
23.2937

■ 15.1556, 28.2873,
6.4866


■ 29.0952, 34.9829,
29.3028


■ 14.4016, 27.9230,
5.3499


■ 33.2880, 36.9936,
36.3099


■ 13.9777, 27.7174,
4.7425

■ 38.0853, 39.2936,
44.3574

 13.8987, 27.6796,
4.6102

 43.5098, 41.8935,
53.4854

 49.5829, 44.8038,
63.7318

 56.3250, 48.0341,
75.1327

 63.7557, 51.5939,
87.7224

Harmonies

Analogous

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



24.6857, 30.5662, 8.5595



19.8946, 30.5662, 14.0838



17.6825, 30.5662, 26.9761

Triad

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



19.8946, 30.5662, 14.0838



26.7580, 30.5662, 87.7208



43.6824, 30.5662, 21.7570

Complementary

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



19.8946, 30.5662, 14.0838



25.7760, 17.6629, 38.6116

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.



44.4778, 30.5662, 40.4998



19.8946, 30.5662, 14.0838



33.9056, 30.5662, 84.4699

Square

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



19.8946, 30.5662, 14.0838



21.2008, 30.5662, 72.5200



40.6608, 30.5662, 64.8829



38.6361, 30.5662, 11.5906

Rectangle

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



19.8946, 30.5662, 14.0838



17.6793, 30.5662, 40.4158



40.6608, 30.5662, 64.8829



44.4838, 30.5662, 27.0402

Sweetspot

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



19.8954, 30.5675, 14.0845



54.2846, 63.6945, 56.1136



30.8053, 35.1338, 14.3909



11.8124, 14.0927, 11.9973



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.



19.8954, 30.5675, 14.0845



31.7586, 52.8815, 18.9363



21.4539, 31.1574, 23.8040



7.4621, 8.4208, 8.0214



10.6445, 21.1847, 3.5280



0.2670, 0.5195, 0.0862

Inverse Universe

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



25.7760, 17.6629, 38.6116



43.5927, 26.8670, 68.3635



23.5545, 16.8466, 23.6442



7.8133, 7.6519, 9.4835



16.5418, 7.9110, 28.6306



0.4108, 0.1968, 0.6970

Previews

White Background



This preview shows how the XYZ color 19.8946, 30.5662, 14.0838 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 19.8946, 30.5662, 14.0838 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 19.8946, 30.5662, 14.0838

Background



This preview shows how black text looks on a background with the XYZ color 19.8946, 30.5662, 14.0838.



This preview shows how white text looks on a background with the XYZ color 19.8946, 30.5662,

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

19.8946, 30.5662, 14.0838

Protanopia

27.5803, 29.9966, 12.3189

Deuteranopia

30.6652, 30.1564, 14.7942



Tritanopia

25.6669, 30.5441, 42.5730

Trichromacy



Original Color

19.8946, 30.5662, 14.0838

Protanomaly

23.8052, 29.7354, 12.8723

Deuteranomaly

25.3727, 29.5251, 14.4868

Tritanomaly

22.9580, 30.2080, 29.4317

Monochromacy



Original Color

19.8946, 30.5662, 14.0838

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3115, 26.0974, 21.0536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8946, 30.5662, 14.0838 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(91, 167, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 167, 88)  
}
```

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(91, 167, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 167, 88) }
```

Border

The CSS property to change the border of an element to XYZ 19.8946, 30.5662, 14.0838 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(91, 167, 88) }
```


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

```
.border{ border-color:rgb(91, 167, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 167, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 167, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 167, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 167,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8946, 30.5662, 14.0838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 167, 88) }
```

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

```
.background{ background-color: rgb(91, 167,  
88) }
```

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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