

Converting Colors

XYZ(19.2484, 30.9267, 2.0856)

Have a look what the booklet for
XYZ(19.2484, 30.9267, 2.0856)
contains.

XYZ(19.8969, 31.3190, 4.9965)	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>	30

Color

**XYZ(19.8969, 31.3190,
4.9965)**

Conversions

Conversions Part 1

Format	Color
Hex	68A900
RGB	104, 169, 0
RGB Percent	41%, 66%, 0%
CMY	0.5922, 0.3372, 0.9999
CMYK	0.38, 0.00, 1.00, 0.34
HSL	83°, 100%, 33%
HSV	83°, 100%, 66%
XYZ	19.8969, 31.3190, 4.9965
YIQ	130.2990, 15.5090, -66.3390

Conversions

Conversions Part 2

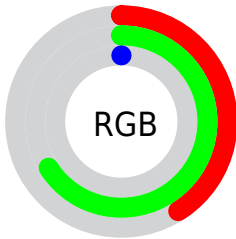
Format	Color
RYB	0, 169, 65
Decimal	6859008
CIELab	62.78, -42.67, 64.22
CIELCh	63, 77.101, 123.602
Yxy	31.3190, 0.3540, 0.5572
Android (android.graphics.Color)	4285049088 (0xFF68A900)
YUV	130.2990, -64.2374, -23.0642
Hunter-Lab	55.9634, -34.4730, 33.8809

Details

The XYZ color **19.8969, 31.3190, 4.9965** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.3432, 3.9896, 37.8155**, and the grayscale version is **21.5423, 22.6642, 24.6813**.

A 20% lighter version of the original color is **42.8932, 61.9355, 16.3507**, and **7.3721, 13.0716, 2.1345** is the 20% darker color. If you saturate the color by 10%, you get **19.8968, 31.3200, 4.9967**, and if you desaturate by 10%, it is **20.7821, 31.7647, 5.5628**.

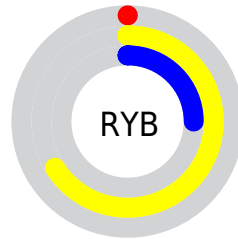
Distribution



Red (41%)

Green (66%)

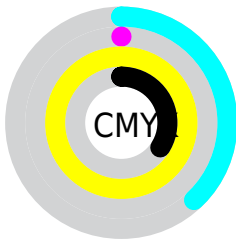
Blue (0%)



Red (0%)

Yellow (66%)

Blue (25%)

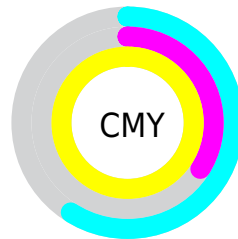


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (59%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8969, 31.3190, 4.9965 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 19.8969, 31.3190, 4.9965 by changing the saturation by 10% instead.

■ 19.8969, 31.3190,
4.9965

■ 19.8969, 31.3190,
4.9965

244.2006,
308.0053, 158.7299

■ 12.4279, 20.8419,
2.1865

■ 42.7495, 61.7420,
16.2496

■ 7.1101, 13.0085,
0.6666

■ 58.8639, 82.4566,
25.5298

■ 3.5780, 7.4344,
0.0000

■ 78.5908, 107.3525,
37.8038

■ 1.4663, 3.7352,
0.0000

■ 102.2956,
136.8141, 53.4901

■ 0.3027, 1.5266,
0.0000

■ 130.3436,
171.2258, 73.0074


■ 0.0000, 0.3073,
0.0000


■ 163.1002,


■ 0.0000, 0.0000,


210.9719, 96.7741


0.0000


 200.9308,
256.4370, 125.2087


 19.8969, 31.3190,
4.9965


 19.8969, 31.3190,
4.9965

 19.8968, 31.3200,
4.9967

 20.7821, 31.7647,
5.5628

 21.8111, 32.2738,
6.5794

 23.0205, 32.8620,
8.2290

 24.4269, 33.5361,
10.5935

 26.0448, 34.3021,
13.7425

■ 27.8868, 35.1653,
17.7374

■ 29.9647, 36.1302,
22.6334

■ 32.2891, 37.2014,
28.4813

■ 34.8698, 38.3830,
35.3278

Harmonies

Analogous

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



28.5121, 31.3190, 2.7772



19.8969, 31.3190, 4.9965



15.0483, 31.3190, 14.2493

Triad

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



19.8969, 31.3190, 4.9965



21.6316, 31.3190, 117.0519



54.9381, 31.3190, 30.5816

Complementary

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



19.8969, 31.3190, 4.9965



9.3432, 3.9896, 37.8155

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.



51.8756, 31.3190, 66.9864



19.8969, 31.3190, 4.9965



31.0598, 31.3190, 131.0977

Square

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



19.8969, 31.3190, 4.9965



15.8712, 31.3190, 77.3938



42.4590, 31.3190, 108.9455



50.0528, 31.3190, 11.0014

Rectangle

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



19.8969, 31.3190, 4.9965



13.8215, 31.3190, 28.0300



42.4590, 31.3190, 108.9455



54.8084, 31.3190, 40.9910

Sweetspot

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



19.8976, 31.3204, 4.9972



53.4481, 64.6049, 40.0113



18.2416, 12.1925, 1.3924



11.3133, 13.9253, 7.9151



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.



19.8976, 31.3204, 4.9972



35.3923, 55.9659, 8.9371



14.4718, 28.5232, 4.7433



7.8632, 8.6276, 8.0401



14.8894, 23.3730, 3.7267



0.4167, 0.5968, 0.0932

Inverse Universe

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



9.3432, 3.9896, 37.8155



16.5140, 7.0316, 67.7120



19.6091, 9.2818, 38.2960



7.3945, 7.4360, 9.4639



7.0186, 3.0016, 28.1849



0.2281, 0.1026, 0.6884

Previews

White Background



This preview shows how the XYZ color 19.8969, 31.3190, 4.9965 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 19.8969, 31.3190, 4.9965 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 19.8969, 31.3190, 4.9965

Background



This preview shows how black text looks on a background with the XYZ color 19.8969, 31.3190, 4.9965.



This preview shows how white text looks on a background with the XYZ color 19.8969, 31.3190,

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

19.8969, 31.3190, 4.9965

Deuteranopia

31.3322, 30.7019, 5.7135

Tritanopia

27.4810, 31.2272, 42.6093

Trichromacy



Original Color

19.8969, 31.3190, 4.9965

Deuteranomaly

25.6617, 29.8815, 5.1247

Tritanomaly

22.6541, 30.2855, 18.8390

Monochromacy



Original Color

19.8969, 31.3190, 4.9965

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.4197, 24.6360, 11.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8969, 31.3190, 4.9965 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(104, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 169, 0)  
}
```

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(104, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.8969, 31.3190, 4.9965 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(104, 169, 0) }
```

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

```
.border{ border-color:rgb(104, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 169,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 19.8969, 31.3190, 4.9965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 169, 0) }
```

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

```
.background{ background-color: rgb(104,  
169, 0) }
```

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