

Converting Colors

XYZ(19.1222, 30.9116, 2.2105)

Have a look what the booklet for
XYZ(19.1222, 30.9116, 2.2105)
contains.

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Color

**XYZ(19.6675, 31.2007,
4.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	66A900
RGB	102, 169, 0
RGB Percent	40%, 66%, 0%
CMY	0.6000, 0.3372, 0.9999
CMYK	0.40, 0.00, 1.00, 0.34
HSL	84°, 100%, 33%
HSV	84°, 100%, 66%
XYZ	19.6675, 31.2007, 4.9858
YIQ	129.7010, 14.3170, -66.7630

Conversions

Conversions Part 2

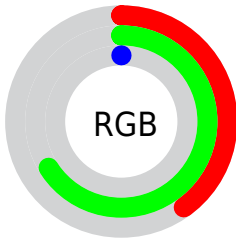
Format	Color
RYB	0, 169, 67
Decimal	6727936
CIELab	62.68, -43.39, 64.10
CIELCh	63, 77.400, 124.093
Yxy	31.2007, 0.3521, 0.5586
Android (android.graphics.Color)	4284918016 (0xFF66A900)
YUV	129.7010, -63.9426, -24.2938
Hunter-Lab	55.8576, -34.9008, 33.8081

Details

The XYZ color **19.6675, 31.2007, 4.9858** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.4781, 4.0591, 37.8218**, and the grayscale version is **21.3290, 22.4398, 24.4369**.

A 20% lighter version of the original color is **42.4933, 61.7294, 16.3319**, and **7.2417, 13.0044, 2.1284** is the 20% darker color. If you saturate the color by 10%, you get **19.6673, 31.2016, 4.9859**, and if you desaturate by 10%, it is **20.5591, 31.6497, 5.5524**.

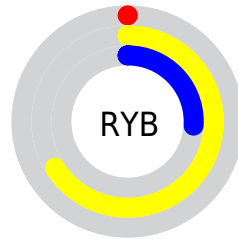
Distribution



Red (40%)

Green (66%)

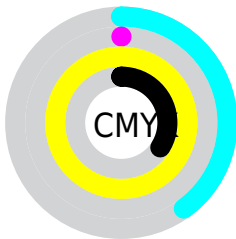
Blue (0%)



Red (0%)

Yellow (66%)

Blue (26%)

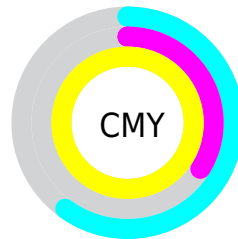


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (60%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6675, 31.2007, 4.9858 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 19.6675, 31.2007, 4.9858 by changing the saturation by 10% instead.

■ 19.6675, 31.2007,
4.9858

■ 19.6675, 31.2007,
4.9858

242.9774,
307.4619, 158.6225

■ 12.2604, 20.7517,
2.1803

■ 42.3672, 61.5559,
16.2261

■ 6.9948, 12.9426,
0.6630

■ 58.3906, 82.2309,
25.4980

■ 3.5051, 7.3891,
0.0000

■ 78.0168, 107.0834,
37.7625

■ 1.4262, 3.7066,
0.0000

■ 101.6111,
136.4978, 53.4381

■ 0.2748, 1.5108,
0.0000

■ 129.5390,
170.8585, 72.9434


■ 0.0000, 0.2963,
0.0000


■ 162.1658,


■ 0.0000, 0.0000,


210.5497, 96.6969


0.0000


 199.8568,
255.9561, 125.1170


 19.6675, 31.2007,
4.9858


 19.6675, 31.2007,
4.9858

 19.6673, 31.2016,
4.9859

 20.5591, 31.6497,
5.5524

 21.5980, 32.1638,
6.5696

 22.8206, 32.7589,
8.2198

 24.2440, 33.4418,
10.5852

 25.8824, 34.2184,
13.7352

■ 27.7490, 35.0941,
17.7313

■ 29.8552, 36.0737,
22.6287

■ 32.2119, 37.1616,
28.4782

■ 34.8292, 38.3620,
35.3265

Harmonies

Analogous

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



28.2295, 31.2007, 2.7173



19.6675, 31.2007, 4.9858



14.8838, 31.2007, 14.3723

Triad

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



19.6675, 31.2007, 4.9858



21.6390, 31.2007, 117.7215



54.8695, 31.2007, 29.9883

Complementary

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



19.6675, 31.2007, 4.9858



9.4781, 4.0591, 37.8218

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.



51.9264, 31.2007, 66.2404



19.6675, 31.2007, 4.9858



31.1284, 31.2007, 131.2520

Square

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



19.6675, 31.2007, 4.9858



15.8180, 31.2007, 78.1063



42.5554, 31.2007, 108.4703



49.8492, 31.2007, 10.6896

Rectangle

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



19.6675, 31.2007, 4.9858



13.6962, 31.2007, 28.3321



42.5554, 31.2007, 108.4703



54.7851, 31.2007, 40.3153

Sweetspot

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



19.6682, 31.2021, 4.9865



53.2488, 64.5021, 40.0020



18.2416, 12.1926, 1.3925



11.2652, 13.9005, 7.9128



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, 31.2021, 4.9865



34.9799, 55.7533, 8.9178



14.4718, 28.5232, 4.7433



7.8547, 8.6232, 8.0397



14.7188, 23.2851, 3.7187



0.4133, 0.5950, 0.0931

Inverse Universe

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



9.4781, 4.0591, 37.8218



16.7518, 7.1543, 67.7231



19.6091, 9.2818, 38.2959



7.4027, 7.4402, 9.4643



7.1199, 3.0539, 28.1897



0.2311, 0.1041, 0.6886

Previews

White Background



This preview shows how the XYZ color 19.6675, 31.2007, 4.9858 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 19.6675, 31.2007, 4.9858 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 19.6675, 31.2007, 4.9858

Background



This preview shows how black text looks on a background with the XYZ color 19.6675, 31.2007, 4.9858.



This preview shows how white text looks on a background with the XYZ color 19.6675, 31.2007,

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

19.6675, 31.2007, 4.9858

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3322, 30.7019, 5.7135



Tritanopia

27.1978, 31.0812, 42.5960

Trichromacy



Original Color

19.6675, 31.2007, 4.9858

Protanomaly

23.9039, 30.4735, 4.6221

Deuteranomaly

25.4641, 29.7797, 5.1154

Tritanomaly

22.3911, 30.1499, 18.8267

Monochromacy



Original Color

19.6675, 31.2007, 4.9858

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.2803, 24.5641, 11.9088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6675, 31.2007, 4.9858 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(102, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.6675, 31.2007, 4.9858 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(102, 169, 0) }
```


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

```
.border{ border-color:rgb(102, 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(102, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6675, 31.2007, 4.9858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 169, 0) }
```

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

```
.background{ background-color: rgb(102,  
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](#).

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