

Converting Colors

XYZ(20.0115, 31.6594, 5.6554)

Have a look what the booklet for
XYZ(20.0115, 31.6594, 5.6554)
contains.

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Color

**XYZ(19.9718, 31.6212,
5.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	66AA13
RGB	102, 170, 19
RGB Percent	40%, 67%, 7%
CMY	0.6000, 0.3333, 0.9254
CMYK	0.40, 0.00, 0.89, 0.33
HSL	87°, 80%, 37%
HSV	87°, 89%, 67%
XYZ	19.9718, 31.6212, 5.6670
YIQ	132.4540, 7.9430, -61.3770

Conversions

Conversions Part 2

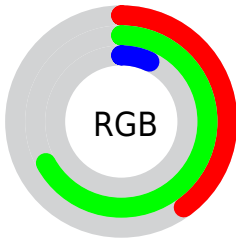
Format	Color
RYB	19, 170, 87
Decimal	6728211
CIELab	63.03, -43.39, 61.58
CIELCh	63, 75.331, 125.164
Yxy	31.6212, 0.3488, 0.5522
Android (android.graphics.Color)	4284918291 (0xFF66AA13)
YUV	132.4540, -55.9328, -26.7082
Hunter-Lab	56.2327, -35.0106, 33.3878

Details

The XYZ color **19.9718, 31.6212, 5.6670** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **11.4208, 5.3954, 38.4714**, and the grayscale version is **22.2916, 23.4525, 25.5398**.

A 20% lighter version of the original color is **43.0174, 62.3728, 17.7545**, and **7.4000, 13.2581, 2.1690** is the 20% darker color. If you saturate the color by 10%, you get **19.0378, 31.1530, 5.0675**, and if you desaturate by 10%, it is **21.0818, 32.1712, 6.7685**.

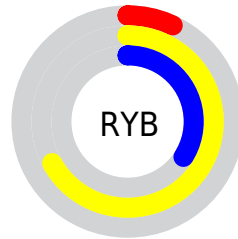
Distribution



Red (40%)

Green (67%)

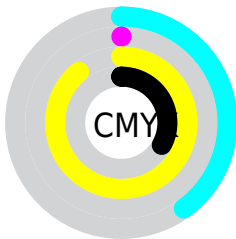
Blue (7%)



Red (7%)

Yellow (67%)

Blue (34%)

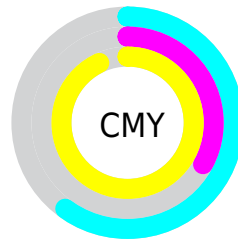


Cyan (40%)

Magenta (0%)

Yellow (89%)

Black (33%)



Cyan (60%)

Magenta (33%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9718, 31.6212, 5.6670 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 19.9718, 31.6212, 5.6670 by changing the saturation by 10% instead.

■ 19.9718, 31.6212,
5.6670

■ 19.9718, 31.6212,
5.6670

244.5989,
309.3901, 165.2628

■ 12.4827, 21.0723,
2.5782

■ 42.8742, 62.2168,
17.7013

■ 7.1478, 13.1769,
0.8812

■ 59.0182, 83.0323,
27.4838

■ 3.6019, 7.5505,
0.0000

■ 78.7779, 108.0388,
40.3347

■ 1.4795, 3.8087,
0.0000

■ 102.5186,
137.6207, 56.6724

■ 0.3118, 1.5671,
0.0000

■ 130.6057,
172.1623, 76.9156

■ 0.0000, 0.3353,
0.0000

■ 163.4045,

■ 0.0000, 0.0000,

212.0482, 101.4827

0.0000

201.2805,
257.6626, 130.7922

■ 19.9718, 31.6212,
5.6670

■ 19.9718, 31.6212,
5.6670

■ 19.0378, 31.1530,
5.0675

■ 21.0818, 32.1712,
6.7685

■ 18.9341, 31.1008,
5.0051

■ 22.3965, 32.8115,
8.5224

■ 23.9343, 33.5508,
11.0108

■ 25.7101, 34.3952,
14.3033

■ 27.7376, 35.3505,
18.4614

■ 30.0291, 36.4218,
23.5407

■ 32.5960, 37.6137,
29.5920

■ 35.4489, 38.9309,
36.6624

■ 38.5978, 40.3775,
44.7960

Harmonies

Analogous

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



28.2957, 31.6212, 3.1245



19.9718, 31.6212, 5.6670



15.3482, 31.6212, 15.5834

Triad

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



19.9718, 31.6212, 5.6670



22.4338, 31.6212, 116.6051



54.6087, 31.6212, 29.5414

Complementary

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



19.9718, 31.6212, 5.6670



11.4208, 5.3954, 38.4714

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.



52.0252, 31.6212, 64.4163



19.9718, 31.6212, 5.6670



31.8858, 31.6212, 128.3676

Square

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



19.9718, 31.6212, 5.6670



16.5237, 31.6212, 78.9020



43.0634, 31.6212, 105.3927



49.4803, 31.6212, 10.9021

Rectangle

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



19.9718, 31.6212, 5.6670



14.2430, 31.6212, 29.8371



43.0634, 31.6212, 105.3927



54.6235, 31.6212, 39.4718

Sweetspot

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



19.9725, 31.6226, 5.6677



55.0715, 66.3550, 44.0646



20.1007, 15.4030, 2.5302



11.9581, 14.6469, 9.0884



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.9725, 31.6226, 5.6677



34.0982, 56.2957, 9.0690



14.9335, 29.0248, 5.4319



7.8160, 8.6033, 8.0379



13.9925, 22.9106, 3.6847



0.3981, 0.5871, 0.0923

Inverse Universe

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



11.4208, 5.3954, 38.4714



18.4109, 7.9704, 69.5700



22.4817, 11.0975, 38.9890



7.4406, 7.4598, 9.4661



7.6255, 3.3145, 28.2133



0.2449, 0.1112, 0.6892

Previews

White Background



This preview shows how the XYZ color 19.9718, 31.6212, 5.6670 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 19.9718, 31.6212, 5.6670 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 19.9718, 31.6212, 5.6670

Background



This preview shows how black text looks on a background with the XYZ color 19.9718, 31.6212, 5.6670.



This preview shows how white text looks on a background with the XYZ color 19.9718, 31.6212,

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

19.9718, 31.6212, 5.6670

Protanopia

28.0892, 31.1409, 4.8782

Deuteranopia

31.8090, 31.1628, 6.1722



Tritanopia

27.4627, 31.4589, 43.1528

Trichromacy



Original Color

19.9718, 31.6212, 5.6670

Protanomaly

24.3384, 30.9418, 5.1415

Deuteranomaly

25.9366, 30.2523, 5.7686

Tritanomaly

23.0121, 30.6790, 21.2318

Monochromacy



Original Color

19.9718, 31.6212, 5.6670

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.0524, 25.3780, 13.7391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9718, 31.6212, 5.6670 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, 170, 19)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 19)  
}
```

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, 170, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 19) }
```

Border

The CSS property to change the border of an element to XYZ 19.9718, 31.6212, 5.6670 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, 170, 19) }
```


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

```
.border{ border-color:rgb(102, 170, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 19);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9718, 31.6212, 5.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 19) }
```

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

```
.background{ background-color: rgb(102,  
170, 19) }
```

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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