

Converting Colors

XYZ(19.1986, 31.2362, 5.0173)

Have a look what the booklet for
XYZ(19.1986, 31.2362, 5.0173)
contains.

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Color

**XYZ(19.1986, 31.2362,
5.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	60AA00
RGB	96, 170, 0
RGB Percent	38%, 67%, 0%
CMY	0.6235, 0.3333, 0.9999
CMYK	0.44, 0.00, 1.00, 0.33
HSL	86°, 100%, 33%
HSV	86°, 100%, 67%
XYZ	19.1986, 31.2362, 5.0173
YIQ	128.4940, 10.4660, -68.5580

Conversions

Conversions Part 2

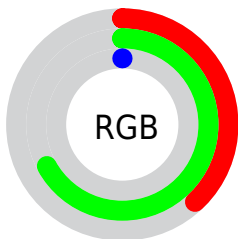
Format	Color
RYB	0, 170, 74
Decimal	6334976
CIELab	62.71, -45.88, 64.00
CIELCh	63, 78.747, 125.639
Yxy	31.2362, 0.3462, 0.5633
Android (android.graphics.Color)	4284525056 (0xFF60AA00)
YUV	128.4940, -63.3475, -28.4972
Hunter-Lab	55.8894, -36.4897, 33.8000

Details

The XYZ color **19.1986, 31.2362, 5.0173** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.0817, 4.3593, 38.3420**, and the grayscale version is **20.9023, 21.9908, 23.9480**.

A 20% lighter version of the original color is **41.6032, 61.6730, 16.3680**, and **7.0544, 13.0799, 2.1529** is the 20% darker color. If you saturate the color by 10%, you get **19.1985, 31.2372, 5.0175**, and if you desaturate by 10%, it is **20.1163, 31.6986, 5.5892**.

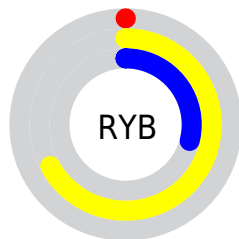
Distribution



Red (38%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (29%)

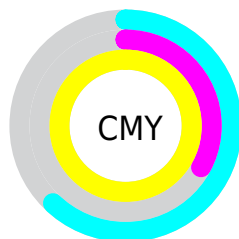


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (62%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1986, 31.2362, 5.0173 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 19.1986, 31.2362, 5.0173 by changing the saturation by 10% instead.

■ 19.1986, 31.2362,
5.0173

■ 19.1986, 31.2362,
5.0173

240.4601,
307.6250, 158.9383

■ 11.9187, 20.7788,
2.1985

■ 41.5837, 61.6118,
16.2952

■ 6.7602, 12.9624,
0.6735

■ 57.4196, 82.2987,
25.5915

■ 3.3576, 7.4027,
0.0000

■ 76.8383, 107.1642,
37.8839

■ 1.3455, 3.7152,
0.0000

■ 100.2051,
136.5928, 53.5911

■ 0.2169, 1.5155,
0.0000

■ 127.8853,
170.9687, 73.1316


■ 0.0000, 0.2996,
0.0000


■ 160.2443,


■ 0.0000, 0.0000,


210.6765, 96.9239


0.0000


 197.6474,
256.1005, 125.3867


 19.1986, 31.2362,
5.0173


 19.1986, 31.2362,
5.0173


 19.1985, 31.2372,
5.0175

 20.1163, 31.6986,
5.5892

 21.1950, 32.2330,
6.6191

 22.4721, 32.8557,
8.2912

 23.9652, 33.5739,
10.6888

 25.6894, 34.3938,
13.8826

■ 27.6583, 35.3212,
17.9348

■ 29.8841, 36.3610,
22.9016

■ 32.3781, 37.5180,
28.8344

■ 35.1510, 38.7966,
35.7808

Harmonies

Analogous

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



27.7038, 31.2362, 2.5652



19.1986, 31.2362, 5.0173



14.5573, 31.2362, 14.9672

Triad

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



19.1986, 31.2362, 5.0173



21.9516, 31.2362, 121.4859



55.3818, 31.2362, 28.5188

Complementary

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



19.1986, 31.2362, 5.0173



10.0817, 4.3593, 38.3420

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.



52.7856, 31.2362, 64.7471



19.1986, 31.2362, 5.0173



31.7670, 31.2362, 133.5118

Square

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



19.1986, 31.2362, 5.0173



15.8572, 31.2362, 81.4904



43.4380, 31.2362, 108.3929



49.8602, 31.2362, 9.8617

Rectangle

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



19.1986, 31.2362, 5.0173



13.4777, 31.2362, 29.7039



43.4380, 31.2362, 108.3929



55.4427, 31.2362, 38.7154

Sweetspot

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



19.1993, 31.2376, 5.0180



53.9833, 65.8605, 41.0075



19.0056, 13.4010, 1.5854



11.6592, 14.5103, 8.2844



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.



19.1993, 31.2376, 5.0180



34.5782, 56.5431, 9.0915



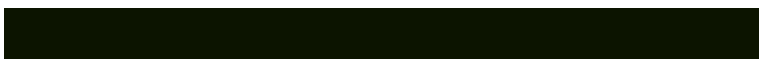
14.5181, 28.8243, 4.7989



7.8268, 8.6088, 8.0384



14.1869, 23.0109, 3.6938



0.4023, 0.5893, 0.0925

Inverse Universe

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



10.0817, 4.3593, 38.3420



18.0500, 7.7843, 69.5531



21.4891, 10.2401, 38.8758



7.4300, 7.4543, 9.4656



7.4770, 3.2380, 28.2064



0.2410, 0.1093, 0.6890

Previews

White Background



This preview shows how the XYZ color 19.1986, 31.2362, 5.0173 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 19.1986, 31.2362, 5.0173 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 19.1986, 31.2362, 5.0173

Background



This preview shows how black text looks on a background with the XYZ color 19.1986, 31.2362, 5.0173.



This preview shows how white text looks on a background with the XYZ color 19.1986, 31.2362,

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

19.1986, 31.2362, 5.0173

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3464, 30.7076, 5.7884



Tritanopia

26.7800, 31.1070, 43.1209

Trichromacy



Original Color

19.1986, 31.2362, 5.0173

Protanomaly

23.5546, 30.2934, 4.6057

Deuteranomaly

25.2464, 29.9083, 5.2013

Tritanomaly

21.9873, 30.1960, 19.1376

Monochromacy



Original Color

19.1986, 31.2362, 5.0173

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.5101, 23.9520, 11.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1986, 31.2362, 5.0173 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(96, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 170, 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(96, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1986, 31.2362, 5.0173 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(96, 170, 0) }
```


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

```
.border{ border-color:rgb(96, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 170, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1986, 31.2362, 5.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 170, 0) }
```

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

```
.background{ background-color: rgb(96, 170,  
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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