

Converting Colors

XYZ(18.9952, 31.6813, 5.6532)

Have a look what the booklet for
XYZ(18.9952, 31.6813, 5.6532)
contains.

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Color

**XYZ(18.9735, 31.6694,
5.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	59AC11
RGB	89, 172, 17
RGB Percent	35%, 67%, 7%
CMY	0.6510, 0.3255, 0.9333
CMYK	0.48, 0.00, 0.90, 0.33
HSL	92°, 82%, 37%
HSV	92°, 90%, 67%
XYZ	18.9735, 31.6694, 5.6431
YIQ	129.5130, 0.2870, -65.8010

Conversions

Conversions Part 2

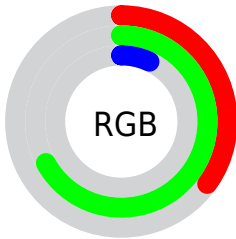
Format	Color
RYB	17, 172, 100
Decimal	5876753
CIELab	63.07, -48.60, 61.76
CIELCh	63, 78.585, 128.198
Yxy	31.6694, 0.3371, 0.5627
Android (android.graphics.Color)	4284066833 (0xFF59AC11)
YUV	129.5130, -55.4689, -35.5299
Hunter-Lab	56.2756, -38.3004, 33.4475

Details

The XYZ color **18.9735, 31.6694, 5.6431** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.9046, 6.0902, 39.5270**, and the grayscale version is **21.2366, 22.3426, 24.3311**.

A 20% lighter version of the original color is **41.2612, 62.2839, 17.6319**, and **6.9277, 13.3642, 2.2144** is the 20% darker color. If you saturate the color by 10%, you get **18.0521, 31.2071, 5.0721**, and if you desaturate by 10%, it is **20.1048, 32.2316, 6.6911**.

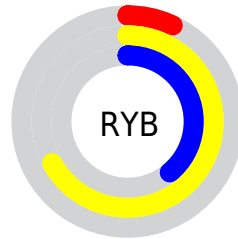
Distribution



Red (35%)

Green (67%)

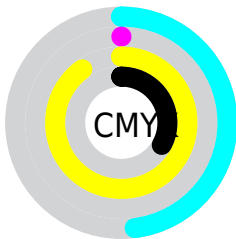
Blue (7%)



Red (7%)

Yellow (67%)

Blue (39%)

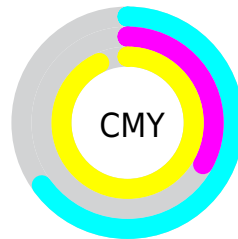


Cyan (48%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (65%)


Magenta (33%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9735, 31.6694, 5.6431 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 18.9735, 31.6694, 5.6431 by changing the saturation by 10% instead.


 18.9735, 31.6694,
5.6431


 18.9735, 31.6694,
5.6431


239.2433,
309.6105, 165.0362


 11.7550, 21.1091,
2.5640

 41.2065, 62.2925,
17.6502


 6.6481, 13.2038,
0.8738


 56.9518, 83.1240,
27.4153


 3.2874, 7.5690,
0.0000


 76.2700, 108.1481,
40.2462

 1.3075, 3.8204,
0.0000

 99.5266, 137.7491,
56.5614

 0.1888, 1.5736,
0.0000

 127.0869,
172.3115, 76.7795

 0.0000, 0.3397,
0.0000

 159.3162,

 0.0000, 0.0000,

212.2196, 101.3189

0.0000

196.5799,
257.8578, 130.5983

■ 18.9735, 31.6694,
5.6431

■ 18.9735, 31.6694,
5.6431

■ 18.0521, 31.2071,
5.0721

■ 20.1048, 32.2316,
6.6911

■ 21.4742, 32.9011,
8.3985

■ 23.1024, 33.6879,
10.8521

■ 25.0067, 34.5992,
14.1249

■ 27.2028, 35.6416,
18.2812

■ 29.7048, 36.8212,
23.3789

■ 32.5259, 38.1435,
29.4710

■ 35.6783, 39.6140,
36.6065

■ 39.1736, 41.2375,
44.8313

Harmonies

Analogous

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



27.2282, 31.6694, 2.7309



18.9735, 31.6694, 5.6431



14.6117, 31.6694, 16.7385

Triad

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



18.9735, 31.6694, 5.6431



23.0110, 31.6694, 124.7706



55.7713, 31.6694, 26.6588

Complementary

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



18.9735, 31.6694, 5.6431



12.9046, 6.0902, 39.5270

Split Complementary

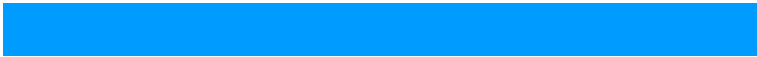
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.8678, 31.6694, 61.7097



18.9735, 31.6694, 5.6431



33.1687, 31.6694, 133.5868

Square

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



18.9735, 31.6694, 5.6431



16.5234, 31.6694, 86.0656



44.9001, 31.6694, 105.7824



49.6086, 31.6694, 9.1898

Rectangle

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



18.9735, 31.6694, 5.6431



13.7171, 31.6694, 32.6415



44.9001, 31.6694, 105.7824



56.0774, 31.6694, 36.3916

Sweetspot

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



18.9742, 31.6708, 5.6438



55.1734, 67.4004, 45.1346



21.6413, 17.8635, 2.8381



11.6425, 14.4842, 9.0737



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.



18.9742, 31.6708, 5.6438



32.4984, 56.4831, 9.1895



15.1311, 29.6843, 5.7002



8.2448, 9.1148, 8.5382



13.4953, 23.2542, 3.7772



0.4389, 0.6797, 0.1081

Inverse Universe

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



12.9046, 6.0902, 39.5270



21.2789, 9.4091, 71.5004



24.1747, 11.9563, 37.5140



7.9731, 7.9604, 10.0690



8.8981, 3.9470, 29.3374



0.3099, 0.1419, 0.8191

Previews

White Background



This preview shows how the XYZ color 18.9735, 31.6694, 5.6431 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 18.9735, 31.6694, 5.6431 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 18.9735, 31.6694, 5.6431

Background



This preview shows how black text looks on a background with the XYZ color 18.9735, 31.6694, 5.6431.



This preview shows how white text looks on a background with the XYZ color 18.9735, 31.6694,

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

18.9735, 31.6694, 5.6431

Protanopia

28.0612, 31.1297, 4.7307

Deuteranopia

31.8090, 31.1628, 6.1722



Tritanopia

26.6692, 31.5382, 44.2170

Trichromacy



Original Color

18.9735, 31.6694, 5.6431

Protanomaly

23.4430, 30.4832, 4.9649

Deuteranomaly

25.1164, 30.0750, 5.7096

Tritanomaly

22.0214, 30.6954, 21.2872

Monochromacy



Original Color

18.9735, 31.6694, 5.6431

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

18.9988, 24.6169, 13.2014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9735, 31.6694, 5.6431 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(89, 172, 17)` looks like.

```
.text, #text, p{  
    color:rgb(89, 172, 17)  
}
```

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(89, 172, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 172, 17) }
```

Border

The CSS property to change the border of an element to XYZ 18.9735, 31.6694, 5.6431 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(89, 172, 17) }
```


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

```
.border{ border-color:rgb(89, 172, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 172, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 172, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 172, 17);  
box-shadow:4px 4px 4px 4px rgb(89, 172,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9735, 31.6694, 5.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 172, 17) }
```

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

```
.background{ background-color: rgb(89, 172,  
17) }
```

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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