

Converting Colors

XYZ(19.1906, 31.4694, 5.0628)

Have a look what the booklet for
XYZ(19.1906, 31.4694, 5.0628)
contains.

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Color

**XYZ(19.1790, 31.5055,
5.0703)**

Conversions

Conversions Part 1

Format	Color
Hex	5EAB00
RGB	94, 171, 0
RGB Percent	37%, 67%, 0%
CMY	0.6314, 0.3294, 0.9999
CMYK	0.45, 0.00, 1.00, 0.33
HSL	87°, 100%, 34%
HSV	87°, 100%, 67%
XYZ	19.1790, 31.5055, 5.0703
YIQ	128.4830, 8.9990, -69.5050

Conversions

Conversions Part 2

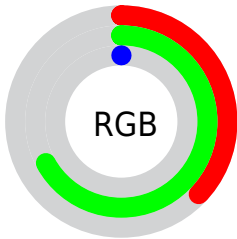
Format	Color
RYB	0, 171, 77
Decimal	6204160
CIELab	62.93, -46.96, 64.14
CIELCh	63, 79.487, 126.209
Yxy	31.5055, 0.3440, 0.5651
Android (android.graphics.Color)	4284394240 (0xFF5EAB00)
YUV	128.4830, -63.3421, -30.2416
Hunter-Lab	56.1298, -37.2353, 33.9351

Details

The XYZ color **19.1790, 31.5055, 5.0703** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.4133, 4.5193, 38.8533**, and the grayscale version is **20.8988, 21.9871, 23.9440**.

A 20% lighter version of the original color is **41.5016, 62.0255, 16.4414**, and **7.0435, 13.2482, 2.1859** is the 20% darker color. If you saturate the color by 10%, you get **19.1789, 31.5065, 5.0705**, and if you desaturate by 10%, it is **20.1113, 31.9753, 5.6469**.

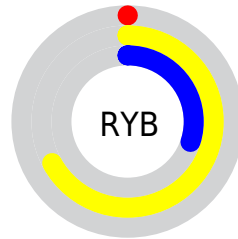
Distribution



Red (37%)

Green (67%)

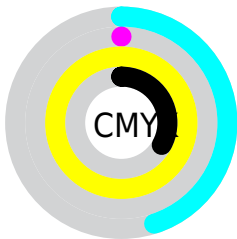
Blue (0%)



Red (0%)

Yellow (67%)

Blue (30%)

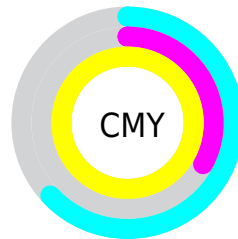


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (63%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1790, 31.5055, 5.0703 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 19.1790, 31.5055, 5.0703 by changing the saturation by 10% instead.

■ 19.1790, 31.5055,
5.0703

■ 19.1790, 31.5055,
5.0703

240.3544,
308.8604, 159.4677

■ 11.9045, 20.9841,
2.2291

■ 41.5509, 62.0351,
16.4113

■ 6.7504, 13.1124,
0.6911

■ 57.3789, 82.8120,
25.7483

■ 3.3514, 7.5060,
0.0000

■ 76.7889, 107.7762,
38.0875

■ 1.3422, 3.7805,
0.0000

■ 100.1461,
137.3121, 53.8477

■ 0.2145, 1.5515,
0.0000

■ 127.8159,
171.8041, 73.4472


■ 0.0000, 0.3246,
0.0000


■ 160.1636,


■ 0.0000, 0.0000,


211.6365, 97.3047


0.0000


 197.5546,
257.1939, 125.8387


 19.1790, 31.5055,
5.0703


 19.1790, 31.5055,
5.0703


 19.1789, 31.5065,
5.0705

 20.1113, 31.9753,
5.6469

 21.2117, 32.5207,
6.6889

 22.5181, 33.1580,
8.3819

 24.0486, 33.8949,
10.8106

 25.8188, 34.7376,
14.0466

■ 27.8426, 35.6921,
18.1533

■ 30.1326, 36.7636,
23.1875

■ 32.7005, 37.9570,
29.2014

■ 35.5572, 39.2768,
36.2433

Harmonies

Analogous

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



27.7319, 31.5055, 2.5297



19.1790, 31.5055, 5.0703



14.5532, 31.5055, 15.3206

Triad

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



19.1790, 31.5055, 5.0703



22.2512, 31.5055, 123.9372



56.0317, 31.5055, 28.2051

Complementary

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



19.1790, 31.5055, 5.0703



10.4133, 4.5193, 38.8533

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.



53.5480, 31.5055, 64.7144



19.1790, 31.5055, 5.0703



32.2728, 31.5055, 135.4743

Square

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



19.1790, 31.5055, 5.0703



16.0020, 31.5055, 83.4731



44.1334, 31.5055, 109.2519



50.2729, 31.5055, 9.6383

Rectangle

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



19.1790, 31.5055, 5.0703



13.5053, 31.5055, 30.4813



44.1334, 31.5055, 109.2519



56.1490, 31.5055, 38.4340

Sweetspot

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



19.1797, 31.5069, 5.0710



53.7298, 65.7298, 40.9957



19.4465, 13.9605, 1.6701



11.5968, 14.4781, 8.2814



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.



19.1797, 31.5069, 5.0710



34.0991, 56.2962, 9.0690



14.6709, 29.1825, 4.8600



8.3094, 9.1481, 8.5412



14.5188, 23.7818, 3.8251



0.4658, 0.6935, 0.1093

Inverse Universe

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



10.4133, 4.5193, 38.8533



18.4102, 7.9700, 69.5699



22.3439, 10.6698, 39.4117



7.9086, 7.9272, 10.0660



7.9081, 3.4367, 29.2910



0.2835, 0.1284, 0.8178

Previews

White Background



This preview shows how the XYZ color 19.1790, 31.5055, 5.0703 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 19.1790, 31.5055, 5.0703 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 19.1790, 31.5055, 5.0703

Background



This preview shows how black text looks on a background with the XYZ color 19.1790, 31.5055, 5.0703.



This preview shows how white text looks on a background with the XYZ color 19.1790, 31.5055,

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

19.1790, 31.5055, 5.0703

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.7478, 31.1384, 5.8504



Tritanopia

26.9148, 31.4197, 43.6758

Trichromacy



Original Color

19.1790, 31.5055, 5.0703

Protanomaly

23.7258, 30.6359, 4.6628

Deuteranomaly

25.4107, 30.2370, 5.2561

Tritanomaly

21.9209, 30.4243, 19.1851

Monochromacy



Original Color

19.1790, 31.5055, 5.0703

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.6609, 24.2536, 11.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1790, 31.5055, 5.0703 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(94, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 171, 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(94, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1790, 31.5055, 5.0703 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(94, 171, 0) }
```


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

```
.border{ border-color:rgb(94, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1790, 31.5055, 5.0703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 171, 0) }
```

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

```
.background{ background-color: rgb(94, 171,  
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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