

Converting Colors

XYZ(18.0850, 31.0080, 0.8545)

Have a look what the booklet for
XYZ(18.0850, 31.0080, 0.8545)
contains.

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Color

**XYZ(18.8773, 31.3500,
5.0562)**

Conversions

Conversions Part 1

Format	Color
Hex	5BAB00
RGB	91, 171, 0
RGB Percent	36%, 67%, 0%
CMY	0.6431, 0.3294, 0.9999
CMYK	0.47, 0.00, 1.00, 0.33
HSL	88°, 100%, 34%
HSV	88°, 100%, 67%
XYZ	18.8773, 31.3500, 5.0562
YIQ	127.5860, 7.2110, -70.1410

Conversions

Conversions Part 2

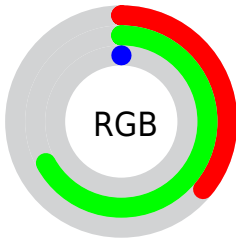
Format	Color
RYB	0, 171, 80
Decimal	6007552
CIELab	62.80, -47.94, 63.98
CIELCh	63, 79.947, 126.845
Yxy	31.3500, 0.3415, 0.5671
Android (android.graphics.Color)	4284197632 (0xFF5BAB00)
YUV	127.5860, -62.8999, -32.0859
Hunter-Lab	55.9911, -37.8034, 33.8396

Details

The XYZ color **18.8773, 31.3500, 5.0562** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.6611, 4.6471, 38.8650**, and the grayscale version is **20.5848, 21.6568, 23.5842**.

A 20% lighter version of the original color is **41.1335, 61.8357, 16.4241**, and **6.9044, 13.1765, 2.1794** is the 20% darker color. If you saturate the color by 10%, you get **18.8772, 31.3510, 5.0564**, and if you desaturate by 10%, it is **19.8113, 31.8207, 5.6329**.

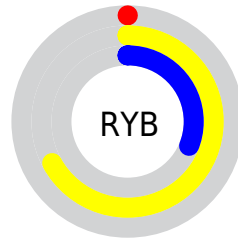
Distribution



Red (36%)

Green (67%)

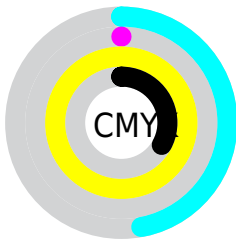
Blue (0%)



Red (0%)

Yellow (67%)

Blue (31%)

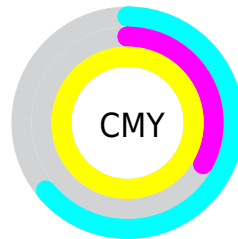


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (64%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8773, 31.3500, 5.0562 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 18.8773, 31.3500, 5.0562 by changing the saturation by 10% instead.


 18.8773, 31.3500,
5.0562


 18.8773, 31.3500,
5.0562


238.7217,
308.1475, 159.3271


 11.6851, 20.8655,
2.2210


 41.0451, 61.7907,
16.3805


 6.6003, 13.0257,
0.6864


 56.7515, 82.5157,
25.7066

 3.2575, 7.4463,
0.0000


 76.0267, 107.4230,
38.0334

 1.2914, 3.7427,
0.0000

 99.2360, 136.8969,
53.7795

 0.1767, 1.5307,
0.0000

 126.7448,
171.3220, 73.3634


 0.0000, 0.3102,
0.0000


 158.9184,


 0.0000, 0.0000,


211.0825, 97.2036


0.0000


 196.1223,
256.5629, 125.7186


 18.8773, 31.3500,
5.0562

 18.8773, 31.3500,
5.0562

 18.8772, 31.3510,
5.0564

 19.8113, 31.8207,
5.6329

 20.9191, 32.3699,
6.6752

 22.2388, 33.0141,
8.3689

 23.7887, 33.7609,
10.7985

 25.5848, 34.6170,
14.0358

■ 27.6411, 35.5883,
18.1440

■ 29.9706, 36.6802,
23.1801

■ 32.5852, 37.8975,
29.1962

■ 35.4958, 39.2451,
36.2406

Harmonies

Analogous

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



27.3592, 31.3500, 2.4533



18.8773, 31.3500, 5.0562



14.3364, 31.3500, 15.5001

Triad

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



18.8773, 31.3500, 5.0562



22.2660, 31.3500, 124.9194



55.9497, 31.3500, 27.4447

Complementary

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



18.8773, 31.3500, 5.0562



10.6611, 4.6471, 38.8650

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.



53.6312, 31.3500, 63.7343



18.8773, 31.3500, 5.0562



32.3760, 31.3500, 135.7238

Square

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



18.8773, 31.3500, 5.0562



15.9320, 31.3500, 84.5185



44.2787, 31.3500, 108.6281



50.0055, 31.3500, 9.2513

Rectangle

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



18.8773, 31.3500, 5.0562



13.3394, 31.3500, 30.9249



44.2787, 31.3500, 108.6281



56.1297, 31.3500, 37.5595

Sweetspot

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



18.8780, 31.3514, 5.0569



53.4355, 65.5781, 40.9819



19.6502, 14.3679, 1.7380



11.5244, 14.4408, 8.2781



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.



18.8780, 31.3514, 5.0569



33.5592, 56.0178, 9.0438



14.6352, 29.1641, 4.8583



8.2961, 9.1412, 8.5405



14.2913, 23.6645, 3.8145



0.4600, 0.6905, 0.1090

Inverse Universe

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



10.6611, 4.6471, 38.8650



18.8507, 8.1971, 69.5905



22.9316, 10.9727, 39.4392



7.9218, 7.9340, 10.0666



8.0957, 3.5333, 29.2998



0.2887, 0.1310, 0.8181

Previews

White Background



This preview shows how the XYZ color 18.8773, 31.3500, 5.0562 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 18.8773, 31.3500, 5.0562 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 18.8773, 31.3500, 5.0562

Background



This preview shows how black text looks on a background with the XYZ color 18.8773, 31.3500, 5.0562.



This preview shows how white text looks on a background with the XYZ color 18.8773, 31.3500,

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

18.8773, 31.3500, 5.0562

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.3610, 30.7134, 5.8655



Tritanopia

26.6546, 31.2855, 43.6636

Trichromacy



Original Color

18.8773, 31.3500, 5.0562

Protanomaly

23.5535, 30.5471, 4.6548

Deuteranomaly

24.8625, 29.7104, 5.1833

Tritanomaly

21.6832, 30.3018, 19.1740

Monochromacy



Original Color

18.8773, 31.3500, 5.0562

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.5287, 24.1854, 11.4763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8773, 31.3500, 5.0562 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(91, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8773, 31.3500, 5.0562 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(91, 171, 0) }
```


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

```
.border{ border-color:rgb(91, 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(91, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8773, 31.3500, 5.0562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 171, 0) }
```

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

```
.background{ background-color: rgb(91, 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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