

Converting Colors

XYZ(18.6400, 31.2361, 5.2186)

Have a look what the booklet for
XYZ(18.6400, 31.2361, 5.2186)
contains.

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Color

**XYZ(18.6203, 31.2137,
5.2157)**

Conversions

Conversions Part 1

Format	Color
Hex	58AB06
RGB	88, 171, 6
RGB Percent	35%, 67%, 2%
CMY	0.6549, 0.3294, 0.9764
CMYK	0.49, 0.00, 0.96, 0.33
HSL	90°, 93%, 35%
HSV	90°, 96%, 67%
XYZ	18.6203, 31.2137, 5.2157
YIQ	127.3730, 3.4970, -68.9110

Conversions

Conversions Part 2

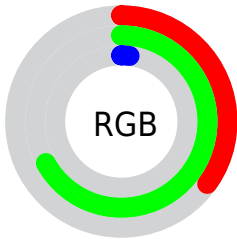
Format	Color
RYB	6, 171, 89
Decimal	5810950
CIELab	62.69, -48.78, 63.03
CIELCh	63, 79.702, 127.734
Yxy	31.2137, 0.3382, 0.5670
Android (android.graphics.Color)	4284001030 (0xFF58AB06)
YUV	127.3730, -59.8369, -34.5301
Hunter-Lab	55.8692, -38.2800, 33.5734

Details

The XYZ color **18.6203, 31.2137, 5.2157** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.5379, 5.1957, 38.9246**, and the grayscale version is **20.5015, 21.5691, 23.4888**.

A 20% lighter version of the original color is **40.6627, 61.5850, 16.7651**, and **6.7669, 13.1056, 2.1730** is the 20% darker color. If you saturate the color by 10%, you get **18.3075, 31.0572, 5.0297**, and if you desaturate by 10%, it is **19.6069, 31.7091, 5.9037**.

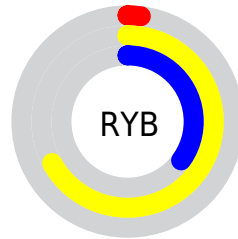
Distribution



Red (35%)

Green (67%)

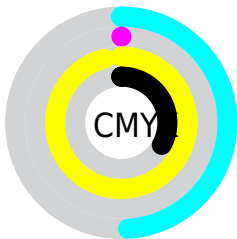
Blue (2%)



Red (2%)

Yellow (67%)

Blue (35%)

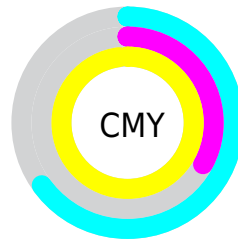


Cyan (49%)

Magenta (0%)

Yellow (96%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6203, 31.2137, 5.2157 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 18.6203, 31.2137, 5.2157 by changing the saturation by 10% instead.

■ 18.6203, 31.2137,
5.2157

■ 18.6203, 31.2137,
5.2157

237.3231,
307.5216, 160.9071

■ 11.4986, 20.7616,
2.3134

■ 40.6134, 61.5764,
16.7285

■ 6.4730, 12.9499,
0.7387

■ 56.2154, 82.2557,
26.1762

■ 3.1782, 7.3940,
0.0000

■ 75.3750, 107.1130,
38.6427

■ 1.2487, 3.7097,
0.0000

■ 98.4575, 136.5326,
54.5466

■ 0.1443, 1.5125,
0.0000

■ 125.8282,
170.8988, 74.3064

■ 0.0000, 0.2975,
0.0000

■ 157.8524,

■ 0.0000, 0.0000,

210.5962, 98.3408

0.0000

194.8956,
256.0090, 127.0681

18.6203, 31.2137,
5.2157

18.6203, 31.2137,
5.2157

18.3075, 31.0572,
5.0297

19.6069, 31.7091,
5.9037

20.8001, 32.2976,
7.1645

22.2246, 32.9903,
9.1087

23.8981, 33.7949,
11.8157

25.8366, 34.7179,
15.3542

■ 28.0542, 35.7653,
19.7848

■ 30.5639, 36.9427,
25.1628

■ 33.3779, 38.2551,
31.5388

■ 36.5074, 39.7075,
38.9601

Harmonies

Analogous

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



26.9410, 31.2137, 2.4798



18.6203, 31.2137, 5.2157



14.2163, 31.2137, 15.9678

Triad

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



18.6203, 31.2137, 5.2157



22.4276, 31.2137, 125.0179



55.5927, 31.2137, 26.5458

Complementary

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



18.6203, 31.2137, 5.2157



11.5379, 5.1957, 38.9246

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.



53.5375, 31.2137, 62.1091



18.6203, 31.2137, 5.2157



32.5724, 31.2137, 134.5969

Square

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



18.6203, 31.2137, 5.2157



16.0105, 31.2137, 85.4041



44.3967, 31.2137, 106.7757



49.4729, 31.2137, 8.9287

Rectangle

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



18.6203, 31.2137, 5.2157



13.2922, 31.2137, 31.6730



44.3967, 31.2137, 106.7757



55.8575, 31.2137, 36.4098

Sweetspot

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



18.6210, 31.2150, 5.2164



53.3175, 65.4955, 41.9604



20.3600, 15.7348, 2.1367



11.4746, 14.4109, 8.4680



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.



18.6210, 31.2150, 5.2164



32.5418, 55.4933, 8.9962



14.6718, 29.1792, 5.0316



8.2693, 9.1274, 8.5393



13.8613, 23.4428, 3.7944



0.4488, 0.6847, 0.1085

Inverse Universe

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



11.5379, 5.1957, 38.9246



19.7972, 8.6851, 69.6348



24.2117, 11.7293, 39.5177



7.9484, 7.9477, 10.0678



8.4972, 3.7403, 29.3186



0.2995, 0.1366, 0.8186

Previews

White Background



This preview shows how the XYZ color 18.6203, 31.2137, 5.2157 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 18.6203, 31.2137, 5.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

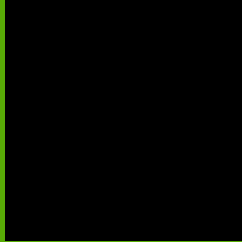
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6203, 31.2137, 5.2157

Background



This preview shows how black text looks on a background with the XYZ color 18.6203, 31.2137, 5.2157.



This preview shows how white text looks on a background with the XYZ color 18.6203, 31.2137,

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

18.6203, 31.2137, 5.2157

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3610, 30.7134, 5.8655



Tritanopia

26.2749, 31.0898, 43.6458

Trichromacy



Original Color

18.6203, 31.2137, 5.2157

Protanomaly

23.0530, 30.0336, 4.6395

Deuteranomaly

24.6930, 29.6207, 5.2801

Tritanomaly

21.5013, 30.1890, 20.0231

Monochromacy



Original Color

18.6203, 31.2137, 5.2157

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.1938, 23.7802, 11.8147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6203, 31.2137, 5.2157 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(88, 171, 6)` looks like.

```
.text, #text, p{  
    color:rgb(88, 171, 6)  
}
```

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(88, 171, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 171, 6) }
```

Border

The CSS property to change the border of an element to XYZ 18.6203, 31.2137, 5.2157 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(88, 171, 6) }
```


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

```
.border{ border-color:rgb(88, 171, 6) }
```

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

Here you see how a box with a 4 pixel rgb(88, 171, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 171, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 171, 6);  
box-shadow:4px 4px 4px 4px rgb(88, 171, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6203, 31.2137, 5.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 171, 6) }
```

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

```
.background{ background-color: rgb(88, 171,  
6) }
```

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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