

Converting Colors

XYZ(18.2959, 31.0062, 5.1676)

Have a look what the booklet for
XYZ(18.2959, 31.0062, 5.1676)
contains.

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Color

**XYZ(18.3366, 31.0681,
5.1739)**

Conversions

Conversions Part 1

Format	Color
Hex	55AB05
RGB	85, 171, 5
RGB Percent	33%, 67%, 2%
CMY	0.6667, 0.3294, 0.9803
CMYK	0.50, 0.00, 0.97, 0.33
HSL	91°, 94%, 35%
HSV	91°, 97%, 67%
XYZ	18.3366, 31.0681, 5.1739
YIQ	126.3620, 2.0300, -69.8580

Conversions

Conversions Part 2

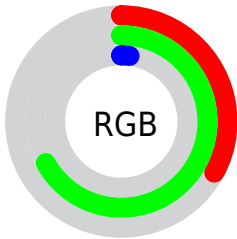
Format	Color
RYB	5, 171, 91
Decimal	5614341
CIELab	62.57, -49.73, 63.02
CIELCh	63, 80.277, 128.280
Yxy	31.0681, 0.3360, 0.5692
Android (android.graphics.Color)	4283804421 (0xFF55AB05)
YUV	126.3620, -59.8315, -36.2745
Hunter-Lab	55.7388, -38.8210, 33.5136

Details

The XYZ color **18.3366, 31.0681, 5.1739** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.7219, 5.2745, 38.9302**, and the grayscale version is **20.1532, 21.2028, 23.0898**.

A 20% lighter version of the original color is **40.1013, 61.2996, 16.5559**, and **6.6301, 13.0350, 2.1666** is the 20% darker color. If you saturate the color by 10%, you get **18.0781, 30.9390, 5.0190**, and if you desaturate by 10%, it is **19.3112, 31.5578, 5.8384**.

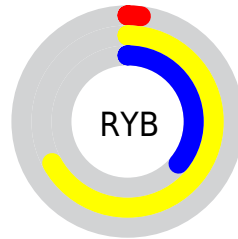
Distribution



Red (33%)

Green (67%)

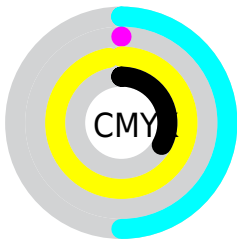
Blue (2%)



Red (2%)

Yellow (67%)

Blue (36%)

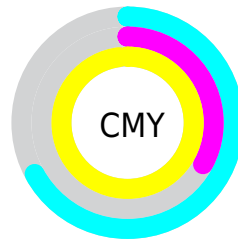


Cyan (50%)

Magenta (0%)

Yellow (97%)

Black (33%)



Cyan (67%)

Magenta (33%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3366, 31.0681, 5.1739 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 18.3366, 31.0681, 5.1739 by changing the saturation by 10% instead.

■ 18.3366, 31.0681,
5.1739

■ 18.3366, 31.0681,
5.1739

235.7706,
306.8519, 160.4952

■ 11.2931, 20.6507,
2.2891

■ 40.1357, 61.3473,
16.6375

■ 6.3331, 12.8689,
0.7251

■ 55.6219, 81.9778,
26.0535

■ 3.0912, 7.3383,
0.0000

■ 74.6531, 106.7816,
38.4836

■ 1.2022, 3.6746,
0.0000

■ 97.5945, 136.1429,
54.3464

■ 0.1081, 1.4932,
0.0000

■ 124.8117,
170.4462, 74.0604

■ 0.0000, 0.2840,
0.0000

■ 156.6698,

■ 0.0000, 0.0000,

210.0759, 98.0442

0.0000

193.5343,
255.4163, 126.7162

18.3366, 31.0681,
5.1739

18.3366, 31.0681,
5.1739

18.0781, 30.9390,
5.0190

19.3112, 31.5578,
5.8384

20.4949, 32.1421,
7.0623

21.9140, 32.8331,
8.9647

23.5871, 33.6384,
11.6260

25.5303, 34.5650,
15.1151

■ 27.7581, 35.6188,
19.4933

■ 30.2839, 36.8057,
24.8162

■ 33.1200, 38.1309,
31.1346

■ 36.2782, 39.5994,
38.4958

Harmonies

Analogous

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



26.6070, 31.0681, 2.3924



18.3366, 31.0681, 5.1739



14.0011, 31.0681, 16.0954

Triad

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



18.3366, 31.0681, 5.1739



22.4197, 31.0681, 126.1076



55.5666, 31.0681, 25.8847

Complementary

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



18.3366, 31.0681, 5.1739



11.7219, 5.2745, 38.9302

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.



53.6503, 31.0681, 61.3229



18.3366, 31.0681, 5.1739



32.6580, 31.0681, 135.0703

Square

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



18.3366, 31.0681, 5.1739



15.9217, 31.0681, 86.4402



44.5431, 31.0681, 106.4086



49.2721, 31.0681, 8.5742

Rectangle

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



18.3366, 31.0681, 5.1739



13.1195, 31.0681, 32.0548



44.5431, 31.0681, 106.4086



55.8865, 31.0681, 35.6651

Sweetspot

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



18.3373, 31.0694, 5.1746



53.0773, 65.3717, 41.9492



20.5449, 16.1134, 2.1714



11.4155, 14.3804, 8.4652



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.



18.3373, 31.0694, 5.1746



32.1329, 55.2826, 8.9770



14.6690, 29.1766, 5.0820



8.2579, 9.1216, 8.5388



13.6879, 23.3534, 3.7862



0.4442, 0.6824, 0.1083

Inverse Universe

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



11.7219, 5.2745, 38.9302



20.2283, 8.9073, 69.6550



23.9398, 11.6032, 38.1396



7.9599, 7.9536, 10.0684



8.6795, 3.8343, 29.3271



0.3043, 0.1390, 0.8188

Previews

White Background



This preview shows how the XYZ color 18.3366, 31.0681, 5.1739 looks on a white background.

Color Contrast Check

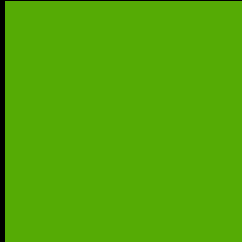
Large Text (above 18pt) WCAG AA × Fail

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 18.3366, 31.0681, 5.1739 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 18.3366, 31.0681, 5.1739

Background



This preview shows how black text looks on a background with the XYZ color 18.3366, 31.0681, 5.1739.



This preview shows how white text looks on a background with the XYZ color 18.3366, 31.0681,

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

18.3366, 31.0681, 5.1739

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.1121, 30.5851, 5.8538



Tritanopia

26.0289, 30.9630, 43.6343

Trichromacy



Original Color

18.3366, 31.0681, 5.1739

Protanomaly

22.8853, 29.9471, 4.6316

Deuteranomaly

24.3186, 29.4277, 5.2625

Tritanomaly

21.2220, 30.0514, 19.7209

Monochromacy



Original Color

18.3366, 31.0681, 5.1739

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

17.7515, 23.3347, 11.5511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3366, 31.0681, 5.1739 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(85, 171, 5)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 5)  
}
```

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(85, 171, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 5) }
```

Border

The CSS property to change the border of an element to XYZ 18.3366, 31.0681, 5.1739 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(85, 171, 5) }
```


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

```
.border{ border-color:rgb(85, 171, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 171, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 171, 5);  
box-shadow:4px 4px 4px 4px rgb(85, 171, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3366, 31.0681, 5.1739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 5) }
```

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

```
.background{ background-color: rgb(85, 171,  
5) }
```

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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