

Converting Colors

XYZ(19.0159, 34.3475, 5.6275)

Have a look what the booklet for
XYZ(19.0159, 34.3475, 5.6275)
contains.

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Color

**XYZ(18.9781, 34.3130,
5.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	45B500
RGB	69, 181, 0
RGB Percent	27%, 71%, 0%
CMY	0.7294, 0.2902, 0.9999
CMYK	0.62, 0.00, 1.00, 0.29
HSL	97°, 100%, 35%
HSV	97°, 100%, 71%
XYZ	18.9781, 34.3130, 5.6228
YIQ	126.8780, -8.6510, -80.0350

Conversions

Conversions Part 2

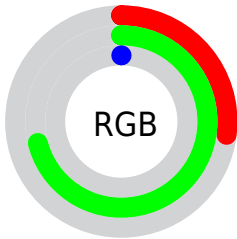
Format	Color
RYB	0, 181, 112
Decimal	4568320
CIELab	65.21, -57.80, 65.54
CIELCh	65, 87.388, 131.411
Yxy	34.3130, 0.3221, 0.5824
Android (android.graphics.Color)	4282758400 (0xFF45B500)
YUV	126.8780, -62.5509, -50.7590
Hunter-Lab	58.5773, -44.6792, 35.3129

Details

The XYZ color **18.9781, 34.3130, 5.6228** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.0259, 6.7829, 44.2353**, and the grayscale version is **20.3425, 21.4019, 23.3066**.

A 20% lighter version of the original color is **41.2742, 66.5102, 17.6836**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **18.9780, 34.3140, 5.6230**, and if you desaturate by 10%, it is **19.9600, 34.8075, 6.2439**.

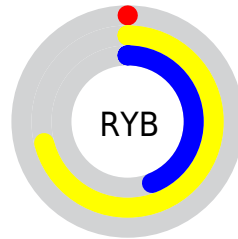
Distribution



Red (27%)

Green (71%)

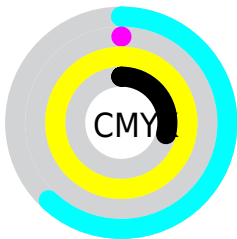
Blue (0%)



Red (0%)

Yellow (71%)

Blue (44%)

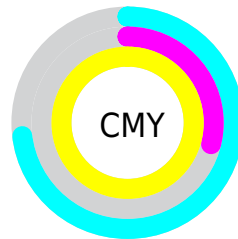


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (73%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9781, 34.3130, 5.6228 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 18.9781, 34.3130, 5.6228 by changing the saturation by 10% instead.

■ 18.9781, 34.3130,
5.6228

■ 18.9781, 34.3130,
5.6228

239.2683,
321.5255, 164.8433

■ 11.7584, 23.1342,
2.5521

■ 41.2142, 66.4201,
17.6068

■ 6.6504, 14.6926,
0.8676

■ 56.9614, 88.1172,
27.3571

■ 3.2888, 8.6039,
0.0000

■ 76.2817, 114.0891,
40.1710

■ 1.3083, 4.4838,
0.0000

■ 99.5405, 144.7203,
56.4670

■ 0.1894, 1.9477,
0.0000

■ 127.1032,
180.3951, 76.6637

■ 0.0000, 0.5768,
0.0000

■ 159.3352,

■ 0.0000, 0.0000,

221.4980, 101.1796

0.0000

196.6018,
268.4133, 130.4333

■ 18.9781, 34.3130,
5.6228

■ 18.9781, 34.3130,
5.6228

■ 18.9780, 34.3140,
5.6230

■ 19.9600, 34.8075,
6.2439

■ 21.2005, 35.4226,
7.4064

■ 22.7461, 36.1788,
9.3137

■ 24.6222, 37.0870,
12.0636

■ 26.8507, 38.1568,
15.7390

■ 29.4517, 39.3969,
20.4130

■ 32.4434, 40.8153,
26.1513

■ 35.8427, 42.4193,
33.0141

■ 39.6655, 44.2160,
41.0570

Harmonies

Analogous

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



28.0158, 34.3130, 2.1859



18.9781, 34.3130, 5.6228



14.5082, 34.3130, 19.2037

Triad

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



18.9781, 34.3130, 5.6228



25.4303, 34.3130, 150.6216



62.8935, 34.3130, 25.1599

Complementary

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



18.9781, 34.3130, 5.6228



15.0259, 6.7829, 44.2353

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.



61.6751, 34.3130, 64.3918



18.9781, 34.3130, 5.6228



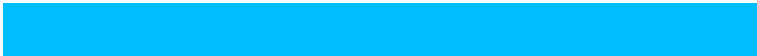
37.6885, 34.3130, 156.4370

Square

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



18.9781, 34.3130, 5.6228



17.5104, 34.3130, 105.3623



51.5847, 34.3130, 118.2142



54.5764, 34.3130, 7.5634

Rectangle

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



18.9781, 34.3130, 5.6228



13.7823, 34.3130, 39.1099



51.5847, 34.3130, 118.2142



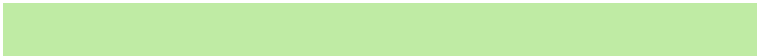
63.6329, 34.3130, 35.6651

Sweetspot

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



18.9789, 34.3145, 5.6236



57.8118, 72.9583, 46.2616



24.8100, 21.3301, 2.8100



11.9996, 15.5342, 9.0355



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9789, 34.3145, 5.6236



33.7538, 61.3324, 10.0593



16.6614, 33.1040, 6.2275



8.6850, 9.6427, 9.0560



13.1545, 23.6915, 3.8796



0.4801, 0.7795, 0.1252

Inverse Universe

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



15.0259, 6.7829, 44.2353



26.6471, 12.0115, 79.2086



25.3925, 12.3587, 34.2538



8.5300, 8.4817, 10.6939



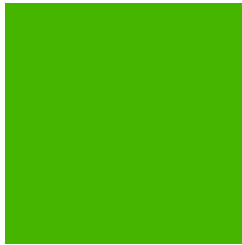
10.4364, 4.7160, 30.4972



0.3909, 0.1806, 0.9625

Previews

White Background



This preview shows how the XYZ color 18.9781, 34.3130, 5.6228 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 18.9781, 34.3130, 5.6228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

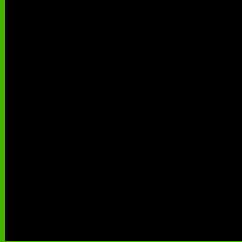
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.9781, 34.3130, 5.6228

Background



This preview shows how black text looks on a background with the XYZ color 18.9781, 34.3130, 5.6228.



This preview shows how white text looks on a background with the XYZ color 18.9781, 34.3130,

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

18.9781, 34.3130, 5.6228

Protanopia

30.3583, 33.8008, 4.9242

Deuteranopia

34.3860, 33.6406, 6.5147



Tritanopia

27.7017, 34.0920, 49.3763

Trichromacy



Original Color

18.9781, 34.3130, 5.6228



Protanomaly

24.1175, 32.6757, 5.0359



Deuteranomaly

25.6722, 32.1350, 5.7138



Tritanomaly

22.2158, 33.2719, 21.7742

Monochromacy



Original Color

18.9781, 34.3130, 5.6228



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.8628, 24.5257, 11.5770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9781, 34.3130, 5.6228 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(69, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 181, 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(69, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9781, 34.3130, 5.6228 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(69, 181, 0) }
```


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

```
.border{ border-color:rgb(69, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 181, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9781, 34.3130, 5.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 181, 0) }
```

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

```
.background{ background-color: rgb(69, 181,  
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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