

Converting Colors

XYZ(17.7014, 35.2382, 5.8687)

Have a look what the booklet for
XYZ(17.7014, 35.2382, 5.8687)
contains.

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Color

**XYZ(17.6716, 35.1759,
5.8582)**

Conversions

Conversions Part 1

Format	Color
Hex	09BA00
RGB	9, 186, 0
RGB Percent	4%, 73%, 0%
CMY	0.9647, 0.2706, 0.9999
CMYK	0.95, 0.00, 1.00, 0.27
HSL	117°, 100%, 36%
HSV	117°, 100%, 73%
XYZ	17.6716, 35.1759, 5.8582
YIQ	111.8730, -45.7860, -95.3700

Conversions

Conversions Part 2

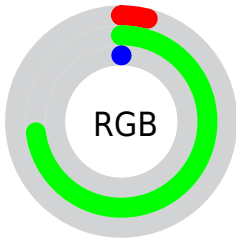
Format	Color
RYB	0, 186, 177
Decimal	637440
CIELab	65.89, -67.58, 65.68
CIELCh	66, 94.237, 135.817
Yxy	35.1759, 0.3010, 0.5992
Android (android.graphics.Color)	4278827520 (0xFF09BA00)
YUV	111.8730, -55.1534, -90.2196
Hunter-Lab	59.3093, -50.6059, 35.6602

Details

The XYZ color **17.6716, 35.1759, 5.8582** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.9989, 12.8948, 47.5222**, and the grayscale version is **15.5318, 16.3406, 17.7949**.

A 20% lighter version of the original color is **39.1697, 68.0620, 18.0940**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.6721, 35.1772, 5.8585**, and if you desaturate by 10%, it is **18.1182, 35.3940, 6.4759**.

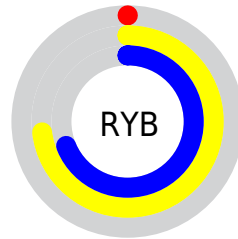
Distribution



Red (4%)

Green (73%)

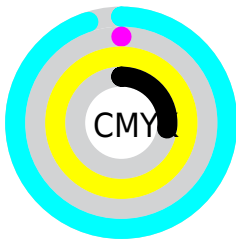
Blue (0%)



Red (0%)

Yellow (73%)

Blue (69%)

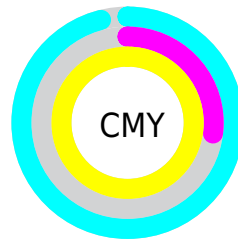


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (96%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6716, 35.1759, 5.8582 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 17.6716, 35.1759, 5.8582 by changing the saturation by 10% instead.


 17.6716, 35.1759,
5.8582


 17.6716, 35.1759,
5.8582


232.0950,
325.3441, 167.0608


 10.8127, 23.7984,
2.6917


 39.0114, 67.7582,
18.1084


 6.0074, 15.1841,
0.9392


 54.2231, 89.7317,
28.0292

 2.8903, 8.9487,
0.0000


 72.9497, 116.0061,
41.0384

 1.0960, 4.7078,
0.0000

 95.5567, 146.9657,
57.5547

 0.0218, 2.0768,
0.0000

 122.4094,
182.9949, 77.9965

 0.0000, 0.6515,
0.0000

 153.8731,

 0.0000, 0.0000,

224.4781, 102.7824

0.0000

190.3132,
271.7997, 132.3310

■ 17.6716, 35.1759,
5.8582

■ 17.6716, 35.1759,
5.8582

■ 17.6721, 35.1772,
5.8585

■ 18.1182, 35.3940,
6.4759

■ 18.9533, 35.7987,
7.6792

■ 20.2624, 36.4306,
9.6821

■ 22.1021, 37.3165,
12.5908

■ 24.5208, 38.4795,
16.4954

■ 27.5615, 39.9400,
21.4750

■ 31.2632, 41.7165,
27.6010

■ 35.6616, 43.8261,
34.9384

■ 40.7900, 46.2847,
43.5475

Harmonies

Analogous

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



26.6526, 35.1759, 1.7542



17.6716, 35.1759, 5.8582



13.6110, 35.1759, 22.4146

Triad

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



17.6716, 35.1759, 5.8582



27.2920, 35.1759, 171.1587



66.3852, 35.1759, 20.9685

Complementary

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



17.6716, 35.1759, 5.8582



26.9989, 12.8948, 47.5222

Split Complementary

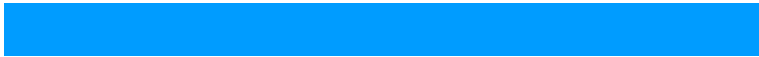
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.6980, 35.1759, 60.3331



17.6716, 35.1759, 5.8582



41.2771, 35.1759, 169.6271

Square

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



17.6716, 35.1759, 5.8582



18.0271, 35.1759, 123.8278



56.5497, 35.1759, 120.4763



55.7864, 35.1759, 5.4268

Rectangle

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



17.6716, 35.1759, 5.8582



13.2417, 35.1759, 46.6118



56.5497, 35.1759, 120.4763



67.7788, 35.1759, 31.0412

Sweetspot

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



17.6724, 35.1774, 5.8590



56.2948, 75.4335, 49.4128



35.9144, 41.7671, 6.1695



11.7436, 16.2982, 9.7980



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.6724, 35.1774, 5.8590



31.9741, 63.7292, 10.6158



19.1488, 35.7549, 14.2205



8.9294, 10.0803, 9.5820



11.9072, 23.6747, 3.9421



0.4334, 0.8416, 0.1396

Inverse Universe

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



26.9989, 12.8948, 47.5222



48.8730, 23.3392, 86.1304



22.6644, 11.4054, 13.6580



9.3369, 9.1400, 11.3515



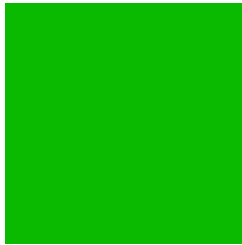
18.1817, 8.6842, 31.9710



0.6542, 0.3130, 1.1277

Previews

White Background



This preview shows how the XYZ color 17.6716, 35.1759, 5.8582 looks on a white background.

Color Contrast Check

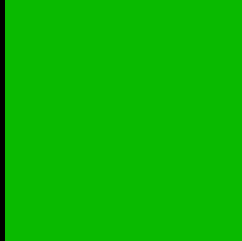
Large Text (above 18pt) WCAG AA × Fail

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 17.6716, 35.1759, 5.8582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

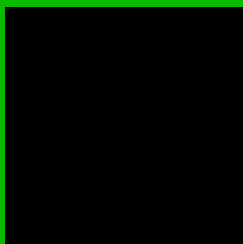
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.6716, 35.1759, 5.8582

Background



This preview shows how black text looks on a background with the XYZ color 17.6716, 35.1759, 5.8582.



This preview shows how white text looks on a background with the XYZ color 17.6716, 35.1759,

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

17.6716, 35.1759, 5.8582

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

35.2690, 34.5658, 6.8205



Tritanopia

27.0551, 35.0947, 52.3617

Trichromacy



Original Color

17.6716, 35.1759, 5.8582



Protanomaly

21.5241, 32.1578, 5.0726



Deuteranomaly

22.8110, 31.4464, 5.7872



Tritanomaly

20.7184, 33.9296, 22.9099

Monochromacy



Original Color

17.6716, 35.1759, 5.8582



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2716, 20.4160, 9.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6716, 35.1759, 5.8582 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(9, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 186, 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(9, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.6716, 35.1759, 5.8582 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(9, 186, 0) }
```


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

```
.border{ border-color:rgb(9, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 186, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 186, 0); box-shadow:4px  
4px 4px 4px rgb(9, 186, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6716, 35.1759, 5.8582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 186, 0) }
```

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

```
.background{ background-color: rgb(9, 186,  
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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