

Converting Colors

XYZ(17.3096, 34.9507, 4.0978)

Have a look what the booklet for
XYZ(17.3096, 34.9507, 4.0978)
contains.

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Color

**XYZ(17.6969, 35.1890,
5.8594)**

Conversions

Conversions Part 1

Format	Color
Hex	0BBA00
RGB	11, 186, 0
RGB Percent	4%, 73%, 0%
CMY	0.9569, 0.2706, 0.9999
CMYK	0.94, 0.00, 1.00, 0.27
HSL	116°, 100%, 36%
HSV	116°, 100%, 73%
XYZ	17.6969, 35.1890, 5.8594
YIQ	112.4710, -44.5940, -94.9460

Conversions

Conversions Part 2

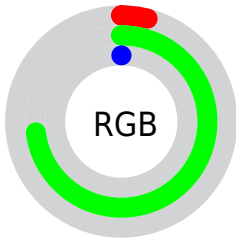
Format	Color
RYB	0, 186, 175
Decimal	768512
CIELab	65.90, -67.49, 65.69
CIELCh	66, 94.180, 135.773
Yxy	35.1890, 0.3012, 0.5990
Android (android.graphics.Color)	4278958592 (0xFF0BBA00)
YUV	112.4710, -55.4482, -88.9901
Hunter-Lab	59.3203, -50.5590, 35.6678

Details

The XYZ color **17.6969, 35.1890, 5.8594** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.5483, 12.6626, 47.5012**, and the grayscale version is **15.7086, 16.5267, 17.9975**.

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 **17.6974, 35.1903, 5.8597**, and if you desaturate by 10%, it is **18.1666, 35.4190, 6.4782**.

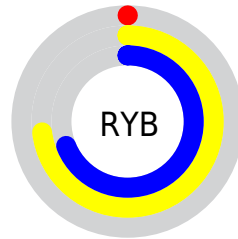
Distribution



Red (4%)

Green (73%)

Blue (0%)



Red (0%)

Yellow (73%)

Blue (69%)

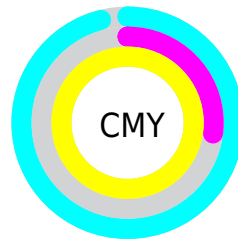


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (96%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6969, 35.1890, 5.8594 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 17.6969, 35.1890, 5.8594 by changing the saturation by 10% instead.


 17.6969, 35.1890,
5.8594


 17.6969, 35.1890,
5.8594


232.2358,
325.4018, 167.0720


 10.8310, 23.8085,
2.6924


 39.0543, 67.7785,
18.1110


 6.0197, 15.1916,
0.9396


 54.2765, 89.7562,
28.0326


 2.8979, 8.9540,
0.0000


 73.0148, 116.0352,
41.0428

 1.1000, 4.7112,
0.0000

 95.6346, 146.9997,
57.5602

 0.0251, 2.0788,
0.0000

 122.5013,
183.0342, 78.0032

 0.0000, 0.6527,
0.0000

 153.9801,

 0.0000, 0.0000,

224.5232, 102.7905

0.0000

190.4365,
271.8509, 132.3406

■ 17.6969, 35.1890,
5.8594

■ 17.6969, 35.1890,
5.8594

■ 17.6974, 35.1903,
5.8597

■ 18.1666, 35.4190,
6.4782

■ 19.0238, 35.8351,
7.6825

■ 20.3513, 36.4765,
9.6863

■ 22.2037, 37.3690,
12.5956

■ 24.6284, 38.5350,
16.5005

■ 27.6671, 39.9945,
21.4801

■ 31.3579, 41.7654,
27.6056

■ 35.7356, 43.8643,
34.9420

■ 40.8327, 46.3067,
43.5497

Harmonies

Analogous

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



26.6844, 35.1890, 1.7597



17.6969, 35.1890, 5.8594



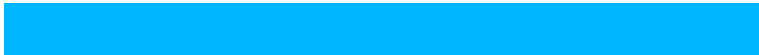
13.6293, 35.1890, 22.3922

Triad

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



17.6969, 35.1890, 5.8594



27.2888, 35.1890, 171.0346



66.3890, 35.1890, 21.0250

Complementary

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



17.6969, 35.1890, 5.8594



26.5483, 12.6626, 47.5012

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.



66.6845, 35.1890, 60.4151



17.6969, 35.1890, 5.8594



41.2632, 35.1890, 169.5878

Square

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



17.6969, 35.1890, 5.8594



18.0330, 35.1890, 123.6948



56.5301, 35.1890, 120.5285



55.8089, 35.1890, 5.4512

Rectangle

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



17.6969, 35.1890, 5.8594



13.2561, 35.1890, 46.5551



56.5301, 35.1890, 120.5285



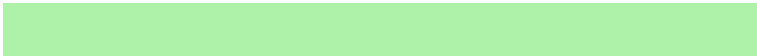
67.7761, 35.1890, 31.1093

Sweetspot

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



17.6977, 35.1905, 5.8602



56.4676, 75.5226, 49.4209



35.3104, 40.5591, 5.9681



11.7839, 16.3189, 9.7998



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.



17.6977, 35.1905, 5.8602



32.0124, 63.7490, 10.6176



19.0306, 35.7077, 13.5977



8.9381, 10.0847, 9.5824



11.9280, 23.6854, 3.9431



0.4372, 0.8436, 0.1398

Inverse Universe

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



26.5483, 12.6626, 47.5012



48.0437, 22.9117, 86.0916



22.8217, 11.4683, 14.4861



9.3272, 9.1350, 11.3511



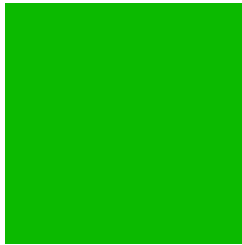
17.8823, 8.5299, 31.9570



0.6463, 0.3089, 1.1273

Previews

White Background



This preview shows how the XYZ color 17.6969, 35.1890, 5.8594 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 17.6969, 35.1890, 5.8594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

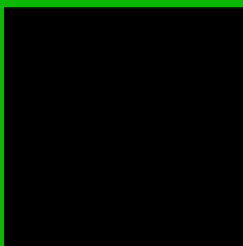
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

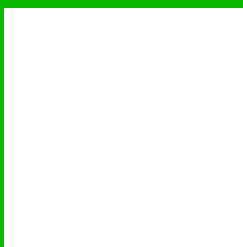
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6969, 35.1890, 5.8594

Background



This preview shows how black text looks on a background with the XYZ color 17.6969, 35.1890, 5.8594.



This preview shows how white text looks on a background with the XYZ color 17.6969, 35.1890,

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

17.6969, 35.1890, 5.8594

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

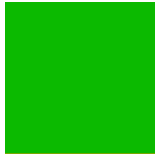
35.2690, 34.5658, 6.8205



Tritanopia

27.1377, 35.1373, 52.3656

Trichromacy



Original Color

17.6969, 35.1890, 5.8594



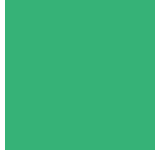
Protanomaly

21.6592, 32.2275, 5.0790



Deuteranomaly

22.8110, 31.4464, 5.7872



Tritanomaly

20.7715, 33.9570, 22.9123

Monochromacy



Original Color

17.6969, 35.1890, 5.8594



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 17.6969, 35.1890, 5.8594 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(11, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.6969, 35.1890, 5.8594 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(11, 186, 0) }
```


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

```
.border{ border-color:rgb(11, 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(11, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 186, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6969, 35.1890, 5.8594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 186, 0) }
```

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

```
.background{ background-color: rgb(11, 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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