

Converting Colors

XYZ(17.6138, 35.1930, 5.8646)

Have a look what the booklet for
XYZ(17.6138, 35.1930, 5.8646)
contains.

XYZ(17.5839, 35.1307, 5.8541)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.5839, 35.1307,
5.8541)**

Conversions

Conversions Part 1

Format	Color
Hex	02BA00
RGB	2, 186, 0
RGB Percent	1%, 73%, 0%
CMY	0.9922, 0.2706, 0.9999
CMYK	0.99, 0.00, 1.00, 0.27
HSL	119°, 100%, 36%
HSV	119°, 100%, 73%
XYZ	17.5839, 35.1307, 5.8541
YIQ	109.7800, -49.9580, -96.8540

Conversions

Conversions Part 2

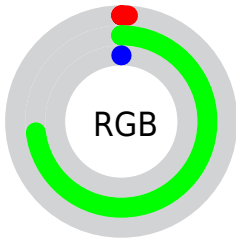
Format	Color
RYB	0, 186, 184
Decimal	178688
CIELab	65.85, -67.90, 65.64
CIELCh	66, 94.438, 135.972
Yxy	35.1307, 0.3002, 0.5998
Android (android.graphics.Color)	4278368768 (0xFF02BA00)
YUV	109.7800, -54.1215, -94.5231
Hunter-Lab	59.2712, -50.7692, 35.6338

Details

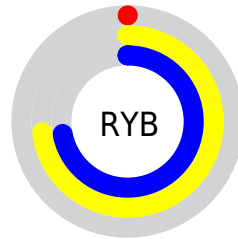
The XYZ color **17.5839, 35.1307, 5.8541** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.6364, 13.7390, 47.5988**, and the grayscale version is **14.9194, 15.6964, 17.0934**.

A 20% lighter version of the original color is **38.9458, 67.9465, 18.0835**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.5844, 35.1320, 5.8544**, and if you desaturate by 10%, it is **17.9706, 35.3179, 6.4690**.

Distribution



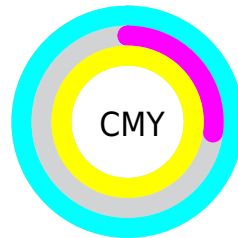
- Red (1%)
- Green (73%)
- Blue (0%)



- Red (0%)
- Yellow (73%)
- Blue (72%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (27%)





- Cyan (99%)
- Magenta (27%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5839, 35.1307, 5.8541 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 17.5839, 35.1307, 5.8541 by changing the saturation by 10% instead.


 17.5839, 35.1307,
5.8541


 17.5839, 35.1307,
5.8541


231.6063,
325.1449, 167.0225


 10.7495, 23.7636,
2.6892


 38.8627, 67.6882,
18.0997


 5.9647, 15.1583,
0.9380


 54.0378, 89.6473,
28.0175

 2.8641, 8.9306,
0.0000


 72.7239, 115.9060,
41.0234

 1.0823, 4.6959,
0.0000

 95.2863, 146.8484,
57.5359

 0.0102, 2.0700,
0.0000

 122.0904,
182.8592, 77.9735

 0.0000, 0.6477,
0.0000

 153.5016,

 0.0000, 0.0000,

224.3226, 102.7547

0.0000

189.8851,
271.6230, 132.2982

■ 17.5839, 35.1307,
5.8541

■ 17.5839, 35.1307,
5.8541

■ 17.5844, 35.1320,
5.8544

■ 17.9706, 35.3179,
6.4690

■ 18.7262, 35.6817,
7.6686

■ 19.9680, 36.2789,
9.6683

■ 21.7592, 37.1398,
12.5747

■ 24.1533, 38.2901,
16.4782

■ 27.1977, 39.7524,
21.4580

■ 30.9350, 41.5473,
27.5857

■ 35.4041, 43.6934,
34.9264

■ 40.6410, 46.2079,
43.5406

Harmonies

Analogous

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



26.5425, 35.1307, 1.7351



17.5839, 35.1307, 5.8541



13.5473, 35.1307, 22.4930

Triad

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



17.5839, 35.1307, 5.8541



27.3036, 35.1307, 171.5932



66.3728, 35.1307, 20.7727

Complementary

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



17.5839, 35.1307, 5.8541



28.6364, 13.7390, 47.5988

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.



66.7457, 35.1307, 60.0488



17.5839, 35.1307, 5.8541



41.3257, 35.1307, 169.7658

Square

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



17.5839, 35.1307, 5.8541



18.0067, 35.1307, 124.2931



56.6185, 35.1307, 120.2958



55.7088, 35.1307, 5.3427

Rectangle

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



17.5839, 35.1307, 5.8541



13.1920, 35.1307, 46.8101



56.6185, 35.1307, 120.2958



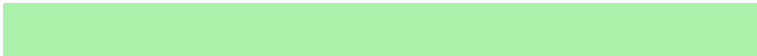
67.7891, 35.1307, 30.8052

Sweetspot

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



17.5847, 35.1322, 5.8549



55.6951, 75.1243, 49.3848



37.1642, 44.2668, 6.5861



11.6042, 16.2263, 9.7914



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.



17.5847, 35.1322, 5.8549



31.8589, 63.6698, 10.6104



19.4015, 35.8560, 15.5513



8.8990, 10.0645, 9.5805



11.8338, 23.6369, 3.9387



0.4202, 0.8348, 0.1390

Inverse Universe

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



28.6364, 13.7390, 47.5988



51.8885, 24.8937, 86.2715



22.3671, 11.2865, 12.0926



9.3712, 9.1577, 11.3531



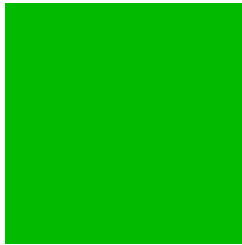
19.2691, 9.2448, 32.0219



0.6823, 0.3275, 1.1290

Previews

White Background



This preview shows how the XYZ color 17.5839, 35.1307, 5.8541 looks on a white background.

Color Contrast Check

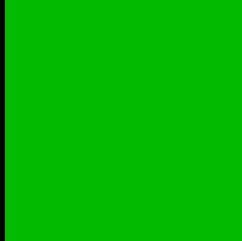
Large Text (above 18pt) WCAG AA × Fail

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 17.5839, 35.1307, 5.8541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

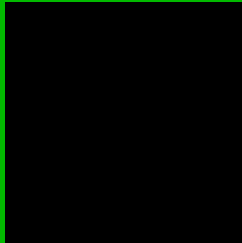
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.5839, 35.1307, 5.8541

Background



This preview shows how black text looks on a background with the XYZ color 17.5839, 35.1307, 5.8541.



This preview shows how white text looks on a background with the XYZ color 17.5839, 35.1307,

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

17.5839, 35.1307, 5.8541

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

35.2690, 34.5658, 6.8205



Tritanopia

27.0551, 35.0947, 52.3617

Trichromacy



Original Color

17.5839, 35.1307, 5.8541



Protanomaly

21.2582, 32.0208, 5.0602



Deuteranomaly

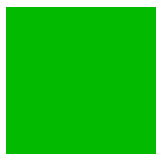
22.3530, 31.2103, 5.7658



Tritanomaly

20.5656, 33.8508, 22.9027

Monochromacy



Original Color

17.5839, 35.1307, 5.8541



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

12.7925, 19.9587, 8.9725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5839, 35.1307, 5.8541 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(2, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 186, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 17.5839, 35.1307, 5.8541 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(2, 186, 0) }
```


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

```
.border{ border-color:rgb(2, 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(2, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 186, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 186, 0); box-shadow:4px  
4px 4px 4px rgb(2, 186, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5839, 35.1307, 5.8541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 186, 0) }
```

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

```
.background{ background-color: rgb(2, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor