

# Converting Colors

XYZ(18.0061, 33.8269, 5.5802)

Have a look what the booklet for  
XYZ(18.0061, 33.8269, 5.5802)  
contains.

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# Color

**XYZ(17.9921, 33.8046,  
5.5767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	35B500
RGB	53, 181, 0
RGB Percent	21%, 71%, 0%
CMY	0.7922, 0.2902, 0.9999
CMYK	0.71, 0.00, 1.00, 0.29
HSL	102°, 100%, 35%
HSV	102°, 100%, 71%
XYZ	17.9921, 33.8046, 5.5767
YIQ	122.0940, -18.1870, -83.4270

# Conversions

## Conversions Part 2

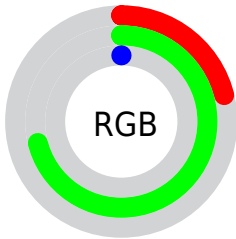
Format	Color
<b>RYB</b>	0, 181, 128
Decimal	3519744
CIELab	64.81, -61.22, 65.05
CIELCh	65, 89.325, 133.262
Yxy	33.8046, 0.3136, 0.5892
Android (android.graphics.Color)	4281709824 (0xFF35B500)
YUV	122.0940, -60.1923, -60.5954
Hunter-Lab	58.1417, -46.5107, 35.0124

# Details

The XYZ color **17.9921, 33.8046, 5.5767** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **17.2464, 7.9277, 44.3390**, and the grayscale version is **18.7258, 19.7010, 21.4544**.

A 20% lighter version of the original color is **39.4868, 65.5928, 17.4170**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **17.9920, 33.8056, 5.5769**, and if you desaturate by 10%, it is **18.8682, 34.2445, 6.1928**.

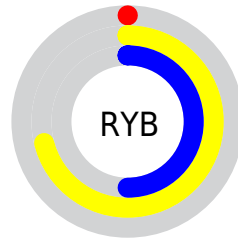
# Distribution



Red (21%)

Green (71%)

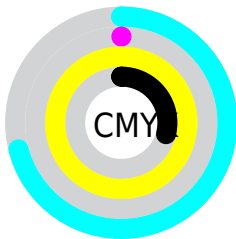
Blue (0%)



Red (0%)

Yellow (71%)

Blue (50%)

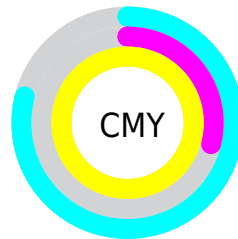


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (79%)

Magenta (29%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9921, 33.8046, 5.5767 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 17.9921, 33.8046, 5.5767 by changing the saturation by 10% instead.




 17.9921, 33.8046,  
5.5767

 17.9921, 33.8046,  
5.5767

233.8730,  
319.2599, 164.4042


 11.0440, 22.7435,  
2.5249


 39.5541, 65.6297,  
17.5080


 6.1639, 14.4042,  
0.8533


 54.8986, 87.1625,  
27.2245

 2.9866, 8.4024,  
0.0000


 73.7726, 112.9547,  
39.9997

 1.1467, 4.3535,  
0.0000

 96.5415, 143.3906,  
56.2521

 0.0636, 1.8732,  
0.0000

 123.5707,  
178.8547, 76.4002

 0.0000, 0.5322,  
0.0000

 155.2254,

 0.0000, 0.0000,

219.7314, 100.8625

0.0000

191.8710,  
266.4050, 130.0577

■ 17.9921, 33.8046,  
5.5767

■ 17.9921, 33.8046,  
5.5767

■ 17.9920, 33.8056,  
5.5769

■ 18.8682, 34.2445,  
6.1928

■ 20.0380, 34.8231,  
7.3522

■ 21.5524, 35.5633,  
9.2581

■ 23.4410, 36.4779,  
12.0086

■ 25.7296, 37.5787,  
15.6869

■ 28.4414, 38.8759,  
20.3662

■ 31.5979, 40.3792,  
26.1123

■ 35.2188, 42.0975,  
32.9856

■ 39.3228, 44.0391,  
41.0418

# Harmonies

## Analogous

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



26.7866, 33.8046, 1.9560



17.9921, 33.8046, 5.5767



13.7956, 33.8046, 19.9514

# Triad

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



17.9921, 33.8046, 5.5767



25.5238, 33.8046, 154.7468



62.6964, 33.8046, 22.8385

# Complementary

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



17.9921, 33.8046, 5.5767



17.2464, 7.9277, 44.3390

# 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.



62.0922, 33.8046, 61.1931



17.9921, 33.8046, 5.5767



38.1411, 33.8046, 157.6607

# Square

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



17.9921, 33.8046, 5.5767



17.2812, 33.8046, 109.7668



52.2235, 33.8046, 116.1801



53.7032, 33.8046, 6.4851



# Rectangle

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



17.9921, 33.8046, 5.5767



13.2302, 33.8046, 40.9842



52.2235, 33.8046, 116.1801



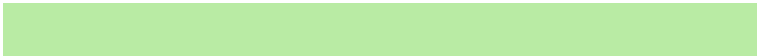
63.6682, 33.8046, 32.9246

# Sweetspot

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



17.9929, 33.8060, 5.5775



56.2796, 72.1685, 46.1899



26.6087, 24.9277, 3.4097



11.6399, 15.3488, 9.0187



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.



17.9929, 33.8060, 5.5775



32.0253, 60.4413, 9.9784



16.8465, 33.1779, 7.2025



8.6150, 9.6066, 9.0527



12.4642, 23.3356, 3.8473



0.4519, 0.7650, 0.1238



# Inverse Universe

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



17.2464, 7.9277, 44.3390



30.6474, 14.0738, 79.3958



24.1530, 11.8629, 27.7267



8.6029, 8.5193, 10.6973



11.9598, 5.5013, 30.5685

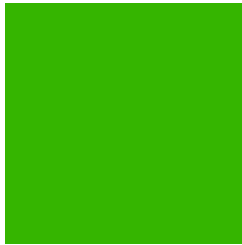


0.4310, 0.2013, 0.9644



# Previews

## White Background



This preview shows how the XYZ color 17.9921, 33.8046, 5.5767 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 17.9921, 33.8046, 5.5767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

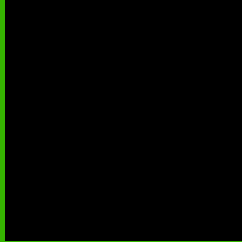
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 17.9921, 33.8046, 5.5767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.9921, 33.8046, 5.5767.



This preview shows how white text looks on a background with the XYZ color 17.9921, 33.8046,



# 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

17.9921, 33.8046, 5.5767

### Protanopia

29.7930, 33.0070, 4.8007

### Deuteranopia

33.7211, 33.0621, 6.5238



## Tritanopia

26.6626, 33.5563, 49.3277

# Trichromacy



## Original Color

17.9921, 33.8046, 5.5767



## Protanomaly

22.8152, 31.7356, 4.9231



## Deuteranomaly

24.2479, 31.1411, 5.6525



## Tritanomaly

21.1565, 32.7259, 21.7247

# Monochromacy



## Original Color

17.9921, 33.8046, 5.5767



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

16.1274, 22.7364, 10.7463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.9921, 33.8046, 5.5767 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(53, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 181, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 17.9921, 33.8046, 5.5767 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(53, 181, 0) }
```



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

```
.border{ border-color:rgb(53, 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(53, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 181, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 17.9921, 33.8046, 5.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 181, 0) }
```

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

```
.background{ background-color: rgb(53, 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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