

# Converting Colors

XYZ(17.7511, 34.3938, 9.3316)

Have a look what the booklet for  
XYZ(17.7511, 34.3938, 9.3316)  
contains.

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# Color

**XYZ(17.8301, 34.5568,  
9.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B837
RGB	0, 184, 55
RGB Percent	0%, 72%, 22%
CMY	1.0000, 0.2784, 0.7843
CMYK	1.00, 0.00, 0.70, 0.28
HSL	138°, 100%, 36%
HSV	138°, 100%, 72%
XYZ	17.8301, 34.5568, 9.3448
YIQ	114.2780, -68.2550, -79.1270

# Conversions

## Conversions Part 2

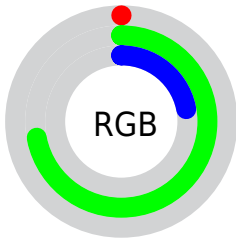
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 184
Decimal	47159
CIELab	65.40, -64.65, 52.13
CIElCh	65, 83.045, 141.118
Yxy	34.5568, 0.2888, 0.5598
Android (android.graphics.Color)	4278237239 (0xFF00B837)
YUV	114.2780, -29.2241, -100.2218
Hunter-Lab	58.7850, -48.7329, 31.7244

# Details

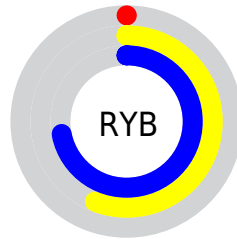
The XYZ color **17.8301, 34.5568, 9.3448** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **23.7308, 11.7760, 21.7929**, and the grayscale version is **16.1788, 17.0214, 18.5363**.

A 20% lighter version of the original color is **39.0918, 66.5347, 24.9695**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **17.8307, 34.5581, 9.3450**, and if you desaturate by 10%, it is **18.4388, 34.8310, 11.2048**.

# Distribution



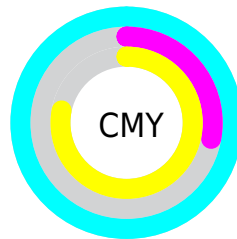
- Red (0%)
- Green (72%)
- Blue (22%)



- Red (0%)
- Yellow (56%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8301, 34.5568, 9.3448 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 17.8301, 34.5568, 9.3448 by changing the saturation by 10% instead.





 17.8301, 34.5568,  
9.3448


 17.8301, 34.5568,  
9.3448


232.9758,  
322.6077, 196.2415


 10.9270, 23.3217,  
4.8669


 39.2800, 66.7986,  
25.1439


 6.0847, 14.8312,  
2.1120


 54.5575, 88.5741,  
37.3021


 2.9378, 8.7010,  
0.6229


 73.3571, 114.6318,  
52.8575

 1.1210, 4.5467,  
0.0000

 96.0444, 145.3561,  
72.2287

 0.0425, 1.9838,  
0.0000

 122.9845,  
181.1315, 95.8341

 0.0000, 0.5981,  
0.0000

 154.5429,

 0.0000, 0.0000,

222.3423, 124.0924

0.0000

191.0849,  
269.3729, 157.4220

■ 17.8301, 34.5568,  
9.3448

■ 17.8301, 34.5568,  
9.3448

■ 17.8307, 34.5581,  
9.3450

■ 18.4388, 34.8310,  
11.2048

■ 19.3751, 35.2632,  
13.5316

■ 20.7353, 35.9033,  
16.3576

■ 22.5682, 36.7759,  
19.7104

■ 24.9158, 37.9021,  
23.6151

■ 27.8152, 39.3006,  
28.0956

■ 31.2999, 40.9883,  
33.1740

■ 35.4007, 42.9804,  
38.8715

■ 40.1461, 45.2915,  
45.2079

# Harmonies

## Analogous

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



25.1388, 34.5568, 3.3840



17.8301, 34.5568, 9.3448



14.7715, 34.5568, 28.2276

# Triad

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



17.8301, 34.5568, 9.3448



29.3744, 34.5568, 149.7134



59.7573, 34.5568, 18.3277

# Complementary

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



17.8301, 34.5568, 9.3448



23.7308, 11.7760, 21.7929

# 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.



61.6954, 34.5568, 48.9096



17.8301, 34.5568, 9.3448



41.9847, 34.5568, 140.6500

# Square

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



17.8301, 34.5568, 9.3448



20.2731, 34.5568, 117.2452



54.5500, 34.5568, 97.0527



49.7672, 34.5568, 5.9048



# Rectangle

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



17.8301, 34.5568, 9.3448



14.8644, 34.5568, 52.0316



54.5500, 34.5568, 97.0527



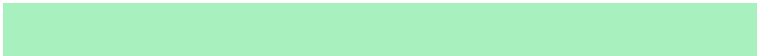
61.4551, 34.5568, 26.1605

# Sweetspot

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



17.8309, 34.5582, 9.3456



56.3918, 74.1320, 59.6429



26.6367, 39.1774, 6.1583



11.5637, 15.6938, 12.0037



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



17.8309, 34.5582, 9.3456



32.2301, 62.6070, 16.4565



22.1858, 36.3002, 32.2779



8.9979, 10.1031, 10.1462



12.3160, 23.8274, 6.5862



0.4624, 0.8513, 0.3807



# Inverse Universe

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



23.7308, 11.7760, 21.7929



42.9061, 21.3019, 38.9215



20.1488, 10.3432, 2.9306



9.2635, 9.1158, 10.7348



16.3867, 8.1284, 15.1888

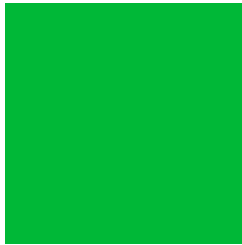


0.6036, 0.2969, 0.6718



# Previews

## White Background



This preview shows how the XYZ color 17.8301, 34.5568, 9.3448 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 17.8301, 34.5568, 9.3448 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 17.8301, 34.5568, 9.3448**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.8301, 34.5568, 9.3448.



This preview shows how white text looks on a background with the XYZ color 17.8301, 34.5568,



# 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

17.8301, 34.5568, 9.3448

### Protanopia

30.8918, 34.0142, 7.7335

### Deuteranopia

34.6844, 33.9537, 10.0358



## **Tritanopia**

26.5171, 34.5461, 51.7248

# Trichromacy



## Original Color

17.8301, 34.5568, 9.3448



## Protanomaly

21.2263, 31.3872, 8.0716



## Deuteranomaly

22.2750, 30.5595, 9.4272



## Tritanomaly

21.3317, 33.5140, 29.3893

# Monochromacy



## Original Color

17.8301, 34.5568, 9.3448



## Achromatopsia

15.9940, 16.8269, 18.3245



## Achromatomaly

13.9561, 20.6720, 13.6105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.8301, 34.5568, 9.3448 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(0, 184, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 55)  
}
```

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(0, 184, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 17.8301, 34.5568, 9.3448 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(0, 184, 55) }
```



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

```
.border{ border-color:rgb(0, 184, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 55)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 17.8301, 34.5568, 9.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 55) }
```

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

```
.background{ background-color: rgb(0, 184,  
55) }
```

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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