

# Converting Colors

XYZ(30.3504, 59.7143, 11.4398)

Have a look what the booklet for  
XYZ(30.3504, 59.7143, 11.4398)  
contains.

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# Color

**XYZ(30.3504, 59.7143,  
11.4398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17EB22
RGB	23, 235, 34
RGB Percent	9%, 92%, 13%
CMY	0.9098, 0.0784, 0.8666
CMYK	0.90, 0.00, 0.86, 0.08
HSL	123°, 84%, 51%
HSV	123°, 90%, 92%
XYZ	30.3504, 59.7143, 11.4398
YIQ	148.6980, -61.8310, -107.4550

# Conversions

## Conversions Part 2

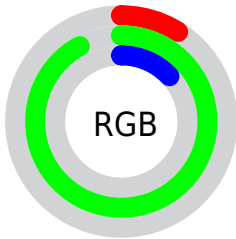
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">23, 225, 235</a>
Decimal	<a href="#">1567522</a>
CIELab	<a href="#">81.68, -79.29, 74.04</a>
CIELCh	<a href="#">82, 108.490, 136.960</a>
Yxy	<a href="#">59.7143, 0.2990, 0.5883</a>
Android (android.graphics.Color)	<a href="#">4279757602 (0xFF17EB22)</a>
YUV	<a href="#">148.6980, -56.5461, -110.2371</a>
Hunter-Lab	<a href="#">77.2750, -65.1240, 45.3152</a>

# Details

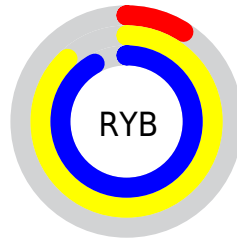
The XYZ color **30.3504, 59.7143, 11.4398** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **48.0220, 23.6570, 72.5498**, and the grayscale version is **28.6904, 30.1845, 32.8710**.

A 20% lighter version of the original color is **45.5315, 76.2917, 24.3826**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7772, 59.4461, 10.2594**, and if you desaturate by 10%, it is **31.5799, 60.3000, 13.7536**.

# Distribution



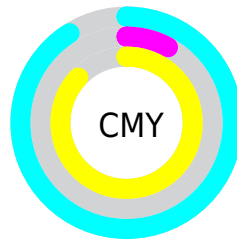
- Red (9%)
- Green (92%)
- Blue (13%)



- Red (9%)
- Yellow (88%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (86%)
- Black (8%)




- Cyan (91%)
- Magenta (8%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3504, 59.7143, 11.4398 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 30.3504, 59.7143, 11.4398 by changing the saturation by 10% instead.





 30.3504, 59.7143,  
11.4398


 30.3504, 59.7143,  
11.4398


295.4149,  
423.5439, 211.5051


 20.2541, 43.1884,  
6.2456


 59.5987, 104.4151,  
29.1196

 12.6892, 30.0330,  
2.9238


 79.4814, 133.3588,  
42.4423


 7.2904, 19.8636,  
1.0559


 103.3570,  
167.2106, 59.3115

 3.6923, 12.2959,  
0.0000

 131.5907,  
206.3548, 80.1458

 1.5296, 6.9456,  
0.0000

 164.5481,  
251.1758, 105.3638

 0.3458, 3.4281,  
0.0000

 202.5943,

 0.0000, 1.3591,

302.0581, 135.3840

0.0000

246.0948,  
359.3860, 170.6249

■ 0.0000, 0.1863,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 30.3504, 59.7143,  
11.4398

■ 30.3504, 59.7143,  
11.4398


■ 29.7772, 59.4461,  
10.2594


■ 31.5799, 60.3000,  
13.7536


■ 33.6311, 61.2795,  
17.3713


■ 36.6163, 62.7091,  
22.4481


■ 40.6292, 64.6344,  
29.1164

 45.7521, 67.0952,  
37.4938

 52.0589, 70.1274,  
47.6870

 59.6173, 73.7638,  
59.7939

 68.4896, 78.0345,  
73.9052

 78.7343, 82.9678,  
90.1060

# Harmonies

## Analogous

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



44.8964, 59.7143, 3.6772



30.3504, 59.7143, 11.4398



23.8463, 59.7143, 40.5897

# Triad

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



30.3504, 59.7143, 11.4398



47.4220, 59.7143, 280.3163



109.9140, 59.7143, 34.8218

# Complementary

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



30.3504, 59.7143, 11.4398



48.0220, 23.6570, 72.5498

# 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.



111.1253, 59.7143, 97.6886



30.3504, 59.7143, 11.4398



70.5408, 59.7143, 274.4641

# Square

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



30.3504, 59.7143, 11.4398



31.7702, 59.7143, 206.8754



95.2405, 59.7143, 194.0030



92.2748, 59.7143, 9.6354



# Rectangle

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



30.3504, 59.7143, 11.4398



23.3959, 59.7143, 81.4645



95.2405, 59.7143, 194.0030



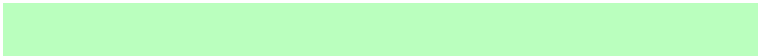
112.3947, 59.7143, 50.9501

# Sweetspot

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



30.3518, 59.7168, 11.4411



65.3106, 85.6837, 61.6551



60.7300, 75.3928, 12.1621



13.3522, 18.0383, 12.1895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



30.3518, 59.7168, 11.4411



35.8342, 71.5497, 12.3110



34.7672, 61.4829, 34.6924



14.9000, 16.8748, 16.1565



16.5856, 33.0887, 5.7827



1.3136, 2.6027, 0.5130



# Inverse Universe

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



48.0220, 23.6570, 72.5498



57.2300, 27.6560, 86.1320



37.8627, 19.5932, 19.0513



15.6790, 15.2995, 18.8611



26.4801, 12.7947, 39.9251

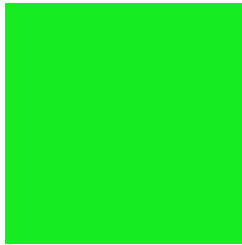


2.0897, 1.0089, 3.1898



# Previews

## White Background



This preview shows how the XYZ color 30.3504, 59.7143, 11.4398 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 30.3504, 59.7143, 11.4398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

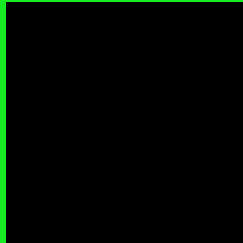
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.3504, 59.7143, 11.4398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3504, 59.7143, 11.4398.



This preview shows how white text looks on a background with the XYZ color 30.3504, 59.7143,



# 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

30.3504, 59.7143, 11.4398

### Protanopia

52.7301, 58.1701, 9.3129

### Deuteranopia

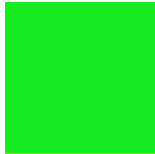
59.5913, 58.2833, 12.3840



## Tritanopia

45.7274, 59.4285, 88.4176

# Trichromacy



## Original Color

30.3504, 59.7143, 11.4398



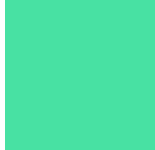
## Protanomaly

37.1407, 54.4446, 9.6500



## Deuteranomaly

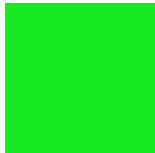
39.2726, 53.2997, 11.3500



## Tritanomaly

36.2086, 57.8725, 43.9125

# Monochromacy



## Original Color

30.3504, 59.7143, 11.4398



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

24.5686, 36.5876, 19.6771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3504, 59.7143, 11.4398 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(23, 235, 34)` looks like.

```
.text, #text, p{  
    color:rgb(23, 235, 34)  
}
```

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(23, 235, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 235, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3504, 59.7143, 11.4398 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(23, 235, 34) }
```



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

```
.border{ border-color:rgb(23, 235, 34) }
```

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

Here you see how a box with a 4 pixel rgb(23, 235, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 235, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 235, 34);  
box-shadow:4px 4px 4px 4px rgb(23, 235,  
34) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3504, 59.7143, 11.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 235, 34) }
```

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

```
.background{ background-color: rgb(23, 235,  
34) }
```

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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