

# Converting Colors

XYZ(30.0730, 53.4379, 11.4200)

Have a look what the booklet for  
XYZ(30.0730, 53.4379, 11.4200)  
contains.

<b>XYZ(30.0368, 53.4179, 11.4169)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.0368, 53.4179,  
11.4169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57DC2F
RGB	87, 220, 47
RGB Percent	34%, 86%, 18%
CMY	0.6588, 0.1372, 0.8157
CMYK	0.60, 0.00, 0.79, 0.14
HSL	106°, 71%, 52%
HSV	106°, 79%, 86%
XYZ	30.0368, 53.4179, 11.4169
YIQ	160.5110, -23.7350, -81.9990

# Conversions

## Conversions Part 2

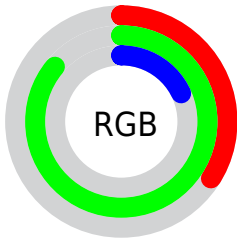
Format	Color
<a href="#">RYB</a>	<a href="#">47, 220, 180</a>
Decimal	<a href="#">5757999</a>
CIELab	<a href="#">78.12, -65.12, 67.97</a>
CIELCh	<a href="#">78, 94.130, 133.776</a>
Yxy	<a href="#">53.4179, 0.3166, 0.5631</a>
Android (android.graphics.Color)	<a href="#">4283948079 (0xFF57DC2F)</a>
YUV	<a href="#">160.5110, -55.9609, -64.4691</a>
Hunter-Lab	<a href="#">73.0876, -54.5450, 41.8997</a>

# Details

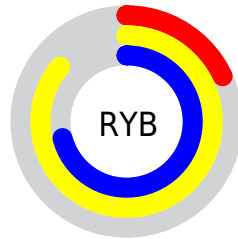
The XYZ color **30.0368, 53.4179, 11.4169** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **32.7608, 16.9059, 69.2495**, and the grayscale version is **33.9099, 35.6759, 38.8510**.

A 20% lighter version of the original color is **50.9915, 79.0656, 26.4836**, and **13.2755, 26.5509, 4.4252** is the 20% darker color. If you saturate the color by 10%, you get **28.3018, 52.5641, 9.5743**, and if you desaturate by 10%, it is **32.3678, 54.5563, 14.4560**.

# Distribution



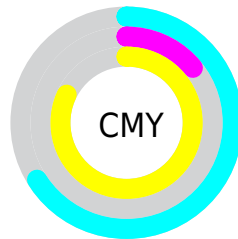
- Red (34%)
- Green (86%)
- Blue (18%)



- Red (18%)
- Yellow (86%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (79%)
- Black (14%)




- Cyan (66%)
- Magenta (14%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0368, 53.4179, 11.4169 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 30.0368, 53.4179, 11.4169 by changing the saturation by 10% instead.





 30.0368, 53.4179,  
11.4169


 30.0368, 53.4179,  
11.4169


293.9827,  
399.8864, 211.3449


 20.0147, 38.1365,  
6.2303


 59.1066, 95.2190,  
29.0769

 12.5141, 26.0886,  
2.9146


 78.8850, 122.5075,  
42.3874


 7.1695, 16.8900,  
1.0512


 102.6463,  
154.5672, 59.2429

 3.6156, 10.1561,  
0.0000

 130.7558,  
191.7823, 80.0620

 1.4870, 5.5026,  
0.0000

 163.5788,  
234.5375, 105.2632

 0.3170, 2.5450,  
0.0000

 201.4807,

 0.0000, 0.8991,

283.2169, 135.2650

0.0000

244.8269,  
338.2051, 170.4861

■ 0.0000, 0.0000,  
0.0000

■ 30.0368, 53.4179,  
11.4169

■ 30.0368, 53.4179,  
11.4169

■ 28.3018, 52.5641,  
9.5743

■ 32.3678, 54.5563,  
14.4560

■ 27.0880, 51.9567,  
8.6873


■ 35.3442, 55.9967,  
18.8451


■ 26.9525, 51.8888,  
8.5950


■ 39.0143, 57.7625,  
24.7184


■ 43.4202, 59.8729,  
32.1933

■ 48.6005, 62.3456,  
41.3751

 54.5912, 65.1970,  
52.3603

 61.4259, 68.4425,  
65.2381

 69.1361, 72.0965,  
80.0920

 77.7519, 76.1727,  
97.0002

# Harmonies

## Analogous

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



42.8131, 53.4179, 4.8415



30.0368, 53.4179, 11.4169



23.8371, 53.4179, 34.2194

# Triad

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



30.0368, 53.4179, 11.4169



41.5241, 53.4179, 219.5211



93.4124, 53.4179, 37.2377

# Complementary

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



30.0368, 53.4179, 11.4169



32.7608, 16.9059, 69.2495

# 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.



92.8267, 53.4179, 91.2729



30.0368, 53.4179, 11.4169



59.6610, 53.4179, 222.2463

# Square

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



30.0368, 53.4179, 11.4169



29.2904, 53.4179, 160.0458



79.3570, 53.4179, 166.1274



80.8041, 53.4179, 12.4815



# Rectangle

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



30.0368, 53.4179, 11.4169



23.0422, 53.4179, 65.0856



79.3570, 53.4179, 166.1274



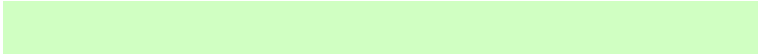
94.8307, 53.4179, 51.7496

# Sweetspot

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



30.0380, 53.4202, 11.4181



71.4729, 88.8084, 64.2960



46.2781, 47.9183, 9.5002



14.6755, 18.7121, 12.6288



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.



30.0380, 53.4202, 11.4181



38.4259, 72.8841, 12.5060



28.7489, 52.5859, 19.0234



13.1668, 14.7507, 13.8788



15.8988, 30.4936, 5.0479



1.1060, 2.0147, 0.3306



# Inverse Universe

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



32.7608, 16.9059, 69.2495



41.9344, 19.7928, 96.2179



38.1608, 20.3009, 41.8861



13.3048, 13.1152, 16.4824



17.3042, 8.0448, 40.3792

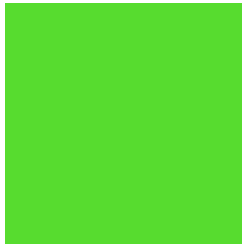


1.1942, 0.5589, 2.6194



# Previews

## White Background



This preview shows how the XYZ color 30.0368, 53.4179, 11.4169 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 30.0368, 53.4179, 11.4169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

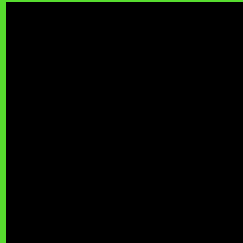
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.0368, 53.4179, 11.4169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.0368, 53.4179, 11.4169.



This preview shows how white text looks on a background with the XYZ color 30.0368, 53.4179,



# 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

30.0368, 53.4179, 11.4169

### Protanopia

47.5515, 52.4514, 9.6254

### Deuteranopia

53.5885, 52.3513, 12.1309



## Tritanopia

42.9085, 53.0207, 76.3791

# Trichromacy



## Original Color

30.0368, 53.4179, 11.4169



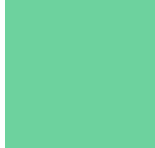
## Protanomaly

37.9188, 50.8505, 10.1021



## Deuteranomaly

40.2708, 49.9757, 11.5268



## Tritanomaly

35.5248, 51.8130, 40.4763

# Monochromacy



## Original Color

30.0368, 53.4179, 11.4169



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

29.9496, 39.8803, 23.8885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0368, 53.4179, 11.4169 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(87, 220, 47)` looks like.

```
.text, #text, p{  
    color:rgb(87, 220, 47)  
}
```

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(87, 220, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 220, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0368, 53.4179, 11.4169 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(87, 220, 47) }
```



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

```
.border{ border-color:rgb(87, 220, 47) }
```

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

Here you see how a box with a 4 pixel rgb(87, 220, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 220, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 220, 47);  
box-shadow:4px 4px 4px 4px rgb(87, 220,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0368, 53.4179, 11.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 220, 47) }
```

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

```
.background{ background-color: rgb(87, 220,  
47) }
```

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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