

# Converting Colors

XYZ(30.6465, 46.0520, 11.4089)

Have a look what the booklet for  
XYZ(30.6465, 46.0520, 11.4089)  
contains.

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# Color

**XYZ(30.5729, 45.9879,  
11.4029)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83C73B
RGB	131, 199, 59
RGB Percent	51%, 78%, 23%
CMY	0.4863, 0.2196, 0.7686
CMYK	0.34, 0.00, 0.70, 0.22
HSL	89°, 56%, 51%
HSV	89°, 70%, 78%
XYZ	30.5729, 45.9879, 11.4029
YIQ	162.7080, 4.4120, -57.9560

# Conversions

## Conversions Part 2

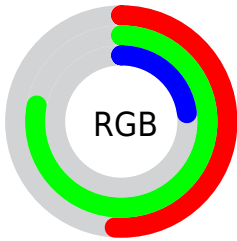
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 199, 127
Decimal	8636219
CIELab	73.54, -43.35, 60.10
CIElCh	74, 74.107, 125.803
Yxy	45.9879, 0.3476, 0.5228
Android (android.graphics.Color)	4286826299 (0xFF83C73B)
YUV	162.7080, -51.1280, -27.8079
Hunter-Lab	67.8144, -38.2016, 37.5005

# Details

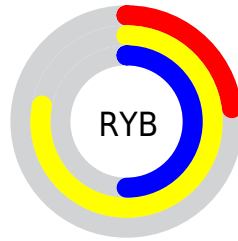
The XYZ color **30.5729, 45.9879, 11.4029** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **20.6274, 11.7650, 55.2191**, and the grayscale version is **34.9082, 36.7261, 39.9948**.

A 20% lighter version of the original color is **59.5363, 83.4263, 28.8846**, and **13.0270, 21.7467, 3.5109** is the 20% darker color. If you saturate the color by 10%, you get **28.7243, 45.0850, 9.1169**, and if you desaturate by 10%, it is **32.7601, 47.0455, 14.7332**.

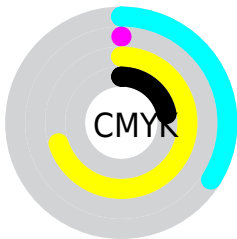
# Distribution



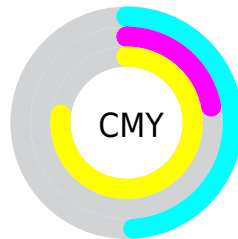
- Red (51%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5729, 45.9879, 11.4029 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 30.5729, 45.9879, 11.4029 by changing the saturation by 10% instead.





 30.5729, 45.9879,  
11.4029


 30.5729, 45.9879,  
11.4029


296.4280,  
370.7600, 211.2469

 20.4241, 32.2363,  
6.2209


 59.9474, 84.2009,  
29.0508


 12.8137, 21.5420,  
2.9089


 79.9039, 109.4310,  
42.3538


 7.3765, 13.5208,  
1.0483


 103.8602,  
139.2562, 59.2009

 3.7471, 7.7881,  
0.0000

 132.1818,  
174.0606, 80.0107

 1.5601, 3.9597,  
0.0000

 165.2340,  
214.2289, 105.2016

 0.3662, 1.6510,  
0.0000

203.3822,

 0.0000, 0.3916,

260.1452, 135.1922

0.0000

246.9917,  
312.1941, 170.4012

■ 0.0000, 0.0000,  
0.0000

■ 30.5729, 45.9879,  
11.4029

■ 30.5729, 45.9879,  
11.4029

■ 28.7243, 45.0850,  
9.1169

■ 32.7601, 47.0455,  
14.7332

■ 27.1834, 44.3194,  
7.7471

■ 35.3063, 48.2616,  
19.2104

■ 25.9423, 43.6934,  
7.0664

■ 38.2337, 49.6472,  
24.9282

■ 41.5614, 51.2103,  
31.9698

■ 45.3072, 52.9584,  
40.4112

■ 49.4874, 54.8983,  
50.3226

■ 54.1177, 57.0368,  
61.7695

■ 59.2127, 59.3799,  
74.8135

■ 64.7863, 61.9336,  
89.5127

# Harmonies

## Analogous

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



41.2135, 45.9879, 7.1392



30.5729, 45.9879, 11.4029



24.5308, 45.9879, 25.9501

# Triad

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



30.5729, 45.9879, 11.4029



34.1806, 45.9879, 148.8542



73.8507, 45.9879, 43.1303

# Complementary

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



30.5729, 45.9879, 11.4029



20.6274, 11.7650, 55.2191

# 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.



70.9347, 45.9879, 85.8273



30.5729, 45.9879, 11.4029



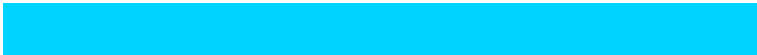
46.3056, 45.9879, 161.5331

# Square

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



30.5729, 45.9879, 11.4029



26.3039, 45.9879, 105.2139



60.1566, 45.9879, 134.2837



67.4769, 45.9879, 18.6255



# Rectangle

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



30.5729, 45.9879, 11.4029



23.1003, 45.9879, 44.9784



60.1566, 45.9879, 134.2837



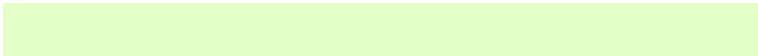
73.9380, 45.9879, 55.5385

# Sweetspot

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



30.5740, 45.9899, 11.4039



78.6649, 92.4143, 69.2280



31.8909, 27.5525, 7.7757



16.4324, 19.5917, 13.8915



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.



30.5740, 45.9899, 11.4039



48.9104, 78.2534, 14.6061



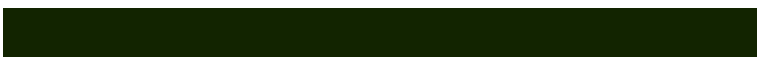
23.1593, 42.1675, 11.0569



11.0089, 12.1515, 11.3280



16.7822, 28.1469, 4.5484



0.8780, 1.3758, 0.2193



# Inverse Universe

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



20.6274, 11.7650, 55.2191



30.4863, 14.7980, 95.8572



34.8134, 19.0781, 55.8830



10.5389, 10.5361, 13.3957



9.8761, 4.3256, 35.0587



0.5512, 0.2479, 1.6639



# Previews

## White Background



This preview shows how the XYZ color 30.5729, 45.9879, 11.4029 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 30.5729, 45.9879, 11.4029 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 30.5729, 45.9879, 11.4029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5729, 45.9879, 11.4029.



This preview shows how white text looks on a background with the XYZ color 30.5729, 45.9879,



# 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

30.5729, 45.9879, 11.4029

### Protanopia

41.3442, 45.4654, 10.0867

### Deuteranopia

46.3776, 45.4028, 11.9495



## Tritanopia

40.6792, 45.8189, 61.9582

# Trichromacy



## Original Color

30.5729, 45.9879, 11.4029

## Protanomaly

36.3886, 45.0563, 10.5202

## Deuteranomaly

38.7132, 44.3766, 11.5262

## Tritanomaly

35.3833, 45.2712, 35.3071

# Monochromacy



## Original Color

30.5729, 45.9879, 11.4029

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

31.9895, 39.1106, 25.2651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5729, 45.9879, 11.4029 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(131, 199, 59)` looks like.

```
.text, #text, p{  
    color:rgb(131, 199, 59)  
}
```

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(131, 199, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 199, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5729, 45.9879, 11.4029 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(131, 199, 59) }
```



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

```
.border{ border-color:rgb(131, 199, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 199, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 199, 59); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 199, 59); box-shadow:4px 4px 4px 4px rgb(131, 199, 59) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5729, 45.9879, 11.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 199, 59) }
```

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

```
.background{ background-color: rgb(131,  
199, 59) }
```

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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