

# Converting Colors

$Yxy(45.0474, 0.3087, 0.5476)$

Have a look what the booklet for  
Yxy(45.0474, 0.3087, 0.5476)  
contains.

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# Color

**Yxy(45.0592, 0.3090, 0.5478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CCC3D
RGB	76, 204, 61
RGB Percent	30%, 80%, 24%
CMY	0.7020, 0.2000, 0.7606
CMYK	0.63, 0.00, 0.70, 0.20
HSL	114°, 58%, 52%
HSV	114°, 70%, 80%
XYZ	25.4167, 45.0592, 11.7789
YIQ	149.4260, -30.3850, -71.6090

# Conversions

## Conversions Part 2

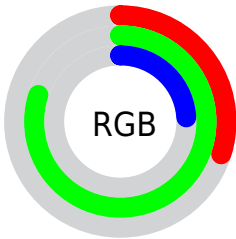
Format	Color
<a href="#">RYB</a>	<a href="#">61, 204, 189</a>
Decimal	<a href="#">5033021</a>
CIELab	<a href="#">72.93, -61.19, 58.03</a>
CIELCh	<a href="#">73, 84.335, 136.519</a>
Yxy	<a href="#">45.0592, 0.3090, 0.5478</a>
Android (android.graphics.Color)	<a href="#">4283223101 (0xFF4CCC3D)</a>
YUV	<a href="#">149.4260, -43.5940, -64.3946</a>
Hunter-Lab	<a href="#">67.1261, -49.8833, 36.5845</a>

# Details

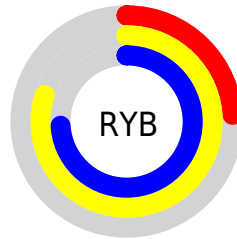
The Yxy color **45.0592, 0.3090, 0.5478** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.5278, 0.3023, 0.1669**, and the grayscale version is **30.4442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2699, 0.3160, 0.4990**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.2363, 0.3068, 0.5722**, and if you desaturate by 10%, it is **46.1818, 0.3108, 0.5175**.

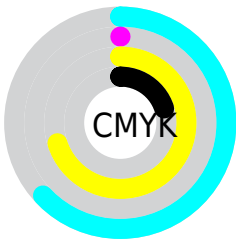
# Distribution



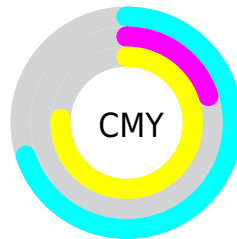
- Red (30%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (74%)



- Cyan (63%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)




- Cyan (70%)
- Magenta (20%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0592, 0.3090, 0.5478 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 Yxy color 45.0592, 0.3090, 0.5478 by changing the saturation by 10% instead.





 45.0592, 0.3090,  
0.5478

 45.0592, 0.3090,  
0.5478


367.0133, 0.3191,  
0.4302

 31.5041, 0.3031,  
0.5781


 82.8092, 0.3150,  
0.5039


 20.9830, 0.2934,  
0.6166


 107.7729, 0.3166,  
0.4877


 13.1116, 0.2769,  
0.6659


 137.3083, 0.3176,  
0.4741

 7.5054, 0.2537,  
0.7463

 171.7996, 0.3182,  
0.4626

 3.7801, 0.1960,  
0.8040

 211.6314, 0.3186,  
0.4528

 1.5514, 0.0000,  
1.0000

257.1880, 0.3189,

 0.3245, 0.0000,

0.4442

1.0000


308.8538, 0.3190,  
0.4368


 0.0000, 0.0000,  
0.0000


 45.0592, 0.3090,  
0.5478


 45.0592, 0.3090,  
0.5478


 44.2363, 0.3068,  
0.5722


 46.1818, 0.3108,  
0.5175


 43.6790, 0.3044,  
0.5889

 47.6233, 0.3121,  
0.4837

 43.3502, 0.3023,  
0.5982

 49.4079, 0.3130,  
0.4489

 51.5556, 0.3134,  
0.4150

 54.0852, 0.3134,  
0.3834

■ 57.0140, 0.3132,  
0.3547

■ 60.3582, 0.3127,  
0.3292

■ 64.1333, 0.3122,  
0.3068

■ 68.3538, 0.3115,  
0.2874

# Harmonies

## Analogous

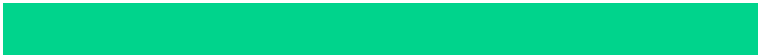
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0592, 0.4126, 0.5269



45.0592, 0.3090, 0.5478



45.0592, 0.2115, 0.4581

# Triad

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



45.0592, 0.3090, 0.5478



45.0592, 0.1412, 0.1740



45.0592, 0.5051, 0.2993

# Complementary

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



45.0592, 0.3090, 0.5478



18.5278, 0.3023, 0.1669

# 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.



45.0592, 0.3988, 0.2345



45.0592, 0.3090, 0.5478



45.0592, 0.1894, 0.1661

# Square

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



45.0592, 0.3090, 0.5478



45.0592, 0.1273, 0.2192



45.0592, 0.2779, 0.1875



45.0592, 0.5399, 0.3722

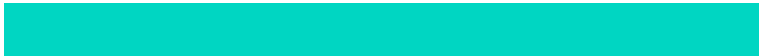


# Rectangle

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



45.0592, 0.3090, 0.5478



45.0592, 0.1644, 0.3624



45.0592, 0.2779, 0.1875



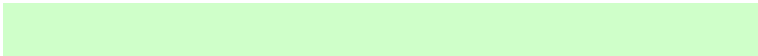
45.0592, 0.4755, 0.2765

# Sweetspot

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



45.0611, 0.3090, 0.5478



89.0310, 0.3134, 0.3870



48.8539, 0.4191, 0.4698



18.7962, 0.3134, 0.3957



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



45.0611, 0.3090, 0.5478



72.7422, 0.3056, 0.5816



45.4382, 0.2779, 0.4736



12.5922, 0.3131, 0.3528



27.3039, 0.3028, 0.5978



1.4281, 0.3110, 0.5913



# Inverse Universe

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



18.5278, 0.3023, 0.1669



26.0477, 0.2985, 0.1486



18.3570, 0.3965, 0.2273



11.3418, 0.3121, 0.3060



9.0785, 0.2949, 0.1398

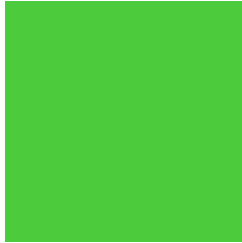


0.4859, 0.3003, 0.1428



# Previews

## White Background



This preview shows how the Yxy color 45.0592, 0.3090, 0.5478 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 Yxy color 45.0592, 0.3090, 0.5478 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](#).

**Yxy 45.0592, 0.3090, 0.5478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0592, 0.3090, 0.5478.



This preview shows how white text looks on a background with the Yxy color 45.0592, 0.3090, 0.5478.

# 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

45.0592, 0.3090, 0.5478

### Protanopia

44.2492, 0.4256, 0.4692

### Deuteranopia

44.2425, 0.4430, 0.4332



## Tritanopia

44.9690, 0.2467, 0.3075

# Trichromacy



## Original Color

45.0592, 0.3090, 0.5478



## Protanomaly

42.7061, 0.3746, 0.5026



## Deuteranomaly

42.2104, 0.3851, 0.4789



## Tritanomaly

44.3212, 0.2720, 0.3963

# Monochromacy



## Original Color

45.0592, 0.3090, 0.5478



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

33.7979, 0.3130, 0.4160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0592, 0.3090, 0.5478 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(76, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(76, 204, 61)  
}
```

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(76, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 204, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0592, 0.3090, 0.5478 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(76, 204, 61) }
```

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

```
.border{ border-color:rgb(76, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(76, 204,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0592, 0.3090, 0.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 204, 61) }
```

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

```
.background{ background-color: rgb(76, 204,  
61) }
```

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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