

# Converting Colors

$Yxy(53.1023, 0.3213, 0.5396)$

Have a look what the booklet for  
Yxy(53.1023, 0.3213, 0.5396)  
contains.

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# Color

**Yxy(53.0223, 0.3215, 0.5390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69D942
RGB	105, 217, 66
RGB Percent	41%, 85%, 26%
CMY	0.5880, 0.1490, 0.7411
CMYK	0.52, 0.00, 0.70, 0.15
HSL	104°, 67%, 55%
HSV	104°, 70%, 85%
XYZ	31.6265, 53.0223, 13.7228
YIQ	166.2980, -18.2810, -70.7050

# Conversions

## Conversions Part 2

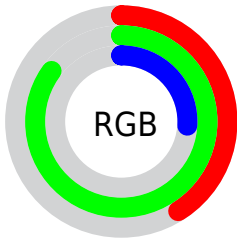
Format	Color
<a href="#">RYB</a>	<a href="#">66, 217, 178</a>
Decimal	<a href="#">6936898</a>
CIELab	<a href="#">77.89, -58.21, 61.60</a>
CIELCh	<a href="#">78, 84.756, 133.380</a>
Yxy	<a href="#">53.0223, 0.3215, 0.5390</a>
Android (android.graphics.Color)	<a href="#">4285126978 (0xFF69D942)</a>
YUV	<a href="#">166.2980, -49.4469, -53.7583</a>
Hunter-Lab	<a href="#">72.8164, -49.9005, 39.7978</a>

# Details

The Yxy color **53.0223, 0.3215, 0.5390** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **18.3679, 0.2766, 0.1548**, and the grayscale version is **38.5433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9245, 0.3284, 0.4850**, and **25.8648, 0.3089, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **51.9309, 0.3187, 0.5632**, and if you desaturate by 10%, it is **54.3996, 0.3230, 0.5097**.

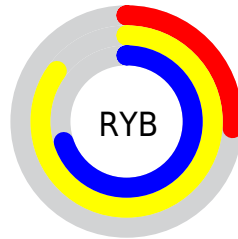
# Distribution



Red (41%)

Green (85%)

Blue (26%)



Red (26%)

Yellow (85%)

Blue (70%)

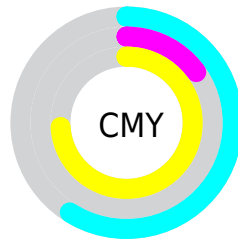


Cyan (52%)

Magenta (0%)

Yellow (70%)

Black (15%)



Cyan (59%)

Magenta (15%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0223, 0.3215, 0.5390 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 53.0223, 0.3215, 0.5390 by changing the saturation by 10% instead.





 53.0223, 0.3215,  
0.5390


 53.0223, 0.3215,  
0.5390


398.3707, 0.3251,  
0.4300

 37.8206, 0.3176,  
0.5658


 94.6372, 0.3250,  
0.4993

 25.8435, 0.3109,  
0.5993


 121.8191, 0.3256,  
0.4843

 16.7066, 0.2989,  
0.6413


 153.7633, 0.3259,  
0.4717

 10.0255, 0.2805,  
0.7013

 190.8540, 0.3259,  
0.4609

 5.4159, 0.2397,  
0.7603

 233.4757, 0.3258,  
0.4516

 2.4933, 0.1561,  
0.8439

282.0128, 0.3256,

 0.8733, 0.0000,

0.4435

1.0000

336.8496, 0.3254,  
0.4363

■ 0.0000, 0.0000,  
0.0000

■ 53.0223, 0.3215,  
0.5390

■ 53.0223, 0.3215,  
0.5390

■ 51.9309, 0.3187,  
0.5632

■ 54.3996, 0.3230,  
0.5097

■ 51.0965, 0.3148,  
0.5807

■ 56.0755, 0.3232,  
0.4775


■ 50.4902, 0.3104,  
0.5915


■ 58.0698, 0.3223,  
0.4443


■ 50.4685, 0.3102,  
0.5919


■ 60.3986, 0.3205,  
0.4119

■ 63.0769, 0.3182,  
0.3813

 66.1188, 0.3155,  
0.3533

 69.5375, 0.3126,  
0.3280

 73.3455, 0.3097,  
0.3055

 77.1417, 0.3109,  
0.2916

# Harmonies

## Analogous

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



53.0223, 0.4205, 0.5135



53.0223, 0.3215, 0.5390



53.0223, 0.2253, 0.4641

# Triad

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



53.0223, 0.3215, 0.5390



53.0223, 0.1442, 0.1826



53.0223, 0.4880, 0.2944

# Complementary

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



53.0223, 0.3215, 0.5390



18.3679, 0.2766, 0.1548

# 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.



53.0223, 0.3826, 0.2326



53.0223, 0.3215, 0.5390



53.0223, 0.1876, 0.1712

# Square

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



53.0223, 0.3215, 0.5390



53.0223, 0.1342, 0.2317



53.0223, 0.2690, 0.1891



53.0223, 0.5307, 0.3650

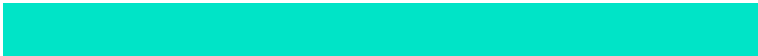


# Rectangle

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



53.0223, 0.3215, 0.5390



53.0223, 0.1766, 0.3755



53.0223, 0.2690, 0.1891



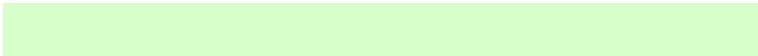
53.0223, 0.4576, 0.2724

# Sweetspot

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



53.0246, 0.3215, 0.5390



90.2501, 0.3186, 0.3861



46.4847, 0.4374, 0.4491



19.0809, 0.3193, 0.3945



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.



53.0246, 0.3215, 0.5390



74.2977, 0.3172, 0.5714



51.7278, 0.2886, 0.5074



14.7681, 0.3154, 0.3529



30.5949, 0.3110, 0.5912



2.0234, 0.3229, 0.5818



# Inverse Universe

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



18.3679, 0.2766, 0.1548



21.2909, 0.2667, 0.1326



22.0172, 0.3632, 0.2051



13.0966, 0.3097, 0.3057



7.6659, 0.2566, 0.1187

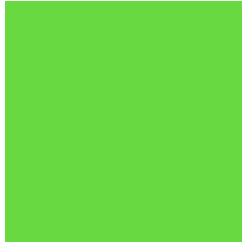


0.5371, 0.2675, 0.1247



# Previews

## White Background



This preview shows how the Yxy color 53.0223, 0.3215, 0.5390 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 53.0223, 0.3215, 0.5390 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 53.0223, 0.3215, 0.5390**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0223, 0.3215, 0.5390.



This preview shows how white text looks on a background with the Yxy color 53.0223, 0.3215, 0.5390.

# 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

53.0223, 0.3215, 0.5390

### Protanopia

52.3112, 0.4252, 0.4695

### Deuteranopia

52.1831, 0.4446, 0.4348



## Tritanopia

52.8129, 0.2554, 0.3079

# Trichromacy



## Original Color

53.0223, 0.3215, 0.5390



## Protanomaly

51.1198, 0.3818, 0.4978



## Deuteranomaly

50.4718, 0.3944, 0.4741



## Tritanomaly

51.9670, 0.2828, 0.3936

# Monochromacy



## Original Color

53.0223, 0.3215, 0.5390



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

42.2389, 0.3203, 0.4115

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0223, 0.3215, 0.5390 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(105, 217, 66)` looks like.

```
.text, #text, p{  
    color:rgb(105, 217, 66)  
}
```

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(105, 217, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 217, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0223, 0.3215, 0.5390 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(105, 217, 66) }
```

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

```
.border{ border-color:rgb(105, 217, 66) }
```

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

Here you see how a box with a 4 pixel rgb(105, 217, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 217, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 217, 66);  
box-shadow:4px 4px 4px 4px rgb(105, 217,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0223, 0.3215, 0.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 217, 66) }
```

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

```
.background{ background-color: rgb(105,  
217, 66) }
```

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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