

# Converting Colors

$Yxy(39.9395, 0.3498, 0.5533)$

Have a look what the booklet for  
Yxy(39.9395, 0.3498, 0.5533)  
contains.

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**Color**

**Yxy(40.0196, 0.3494, 0.5536)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	72BD13
RGB	114, 189, 19
RGB Percent	45%, 74%, 7%
CMY	0.5528, 0.2588, 0.9252
CMYK	0.40, 0.00, 0.90, 0.26
HSL	86°, 82%, 41%
HSV	86°, 90%, 74%
XYZ	25.2580, 40.0196, 7.0121
YIQ	147.1950, 9.8700, -68.7700

# Conversions

## Conversions Part 2

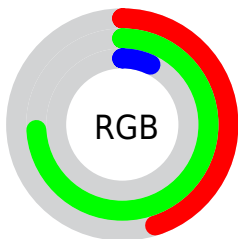
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 189, 94
Decimal	7519507
CIELab	69.48, -47.01, 67.22
CIElCh	69, 82.024, 124.965
Yxy	40.0196, 0.3494, 0.5536
Android (android.graphics.Color)	4285709587 (0xFF72BD13)
YUV	147.1950, -63.2001, -29.1120
Hunter-Lab	63.2610, -39.4377, 37.7108

# Details

The Yxy color **40.0196, 0.3494, 0.5536** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.5241, 0.2028, 0.0942**, and the grayscale version is **29.5334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3541, 0.3499, 0.5104**, and **18.1402, 0.3267, 0.5788** is the 20% darker color. If you saturate the color by 10%, you get **39.4404, 0.3449, 0.5643**, and if you desaturate by 10%, it is **40.6989, 0.3521, 0.5383**.

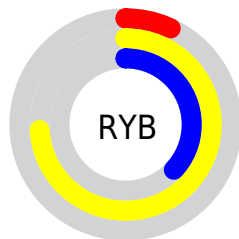
# Distribution



Red (45%)

Green (74%)

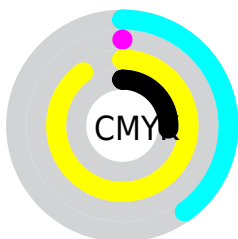
Blue (7%)



Red (7%)

Yellow (74%)

Blue (37%)

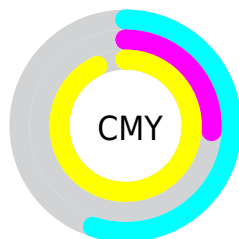


Cyan (40%)

Magenta (0%)

Yellow (90%)

Black (26%)



Cyan (55%)

Magenta (26%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0196, 0.3494, 0.5536 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 40.0196, 0.3494, 0.5536 by changing the saturation by 10% instead.





 40.0196, 0.3494,  
0.5536


 40.0196, 0.3494,  
0.5536

346.2062, 0.3414,  
0.4355

 27.5538, 0.3464,  
0.5820


 75.1934, 0.3499,  
0.5108

 17.9896, 0.3392,  
0.6164


 98.6701, 0.3490,  
0.4945

 10.9425, 0.3290,  
0.6674


 126.5860, 0.3478,  
0.4807

 6.0282, 0.2946,  
0.7054

 159.3254, 0.3465,  
0.4690

 2.8622, 0.2400,  
0.7600

 197.2728, 0.3452,  
0.4588

 1.0602, 0.0000,  
1.0000

 240.8124, 0.3439,

 0.0000, 0.0000,

0.4500

0.0000

290.3287, 0.3426,  
0.4423

■ 40.0196, 0.3494,  
0.5536

■ 40.0196, 0.3494,  
0.5536

■ 39.4404, 0.3449,  
0.5643

■ 40.6989, 0.3521,  
0.5383

■ 39.4353, 0.3449,  
0.5644

■ 41.4907, 0.3526,  
0.5179

■ 42.4061, 0.3508,  
0.4934

■ 43.4535, 0.3470,  
0.4661

■ 44.6400, 0.3416,  
0.4373

■ 45.9724, 0.3350,  
0.4084

■ 47.4569, 0.3278,  
0.3802

■ 49.0991, 0.3202,  
0.3536

■ 50.9046, 0.3126,  
0.3288

# Harmonies

## Analogous

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



40.0196, 0.4499, 0.5018



40.0196, 0.3494, 0.5536



40.0196, 0.2455, 0.5076

# Triad

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



40.0196, 0.3494, 0.5536



40.0196, 0.1305, 0.1848



40.0196, 0.4720, 0.2723

# Complementary

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



40.0196, 0.3494, 0.5536



6.5241, 0.2028, 0.0942

# 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.



40.0196, 0.3507, 0.2126



40.0196, 0.3494, 0.5536



40.0196, 0.1651, 0.1640

# Square

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



40.0196, 0.3494, 0.5536



40.0196, 0.1293, 0.2489



40.0196, 0.2381, 0.1747



40.0196, 0.5390, 0.3430

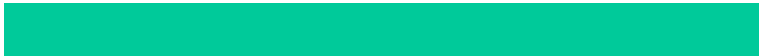


# Rectangle

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



40.0196, 0.3494, 0.5536



40.0196, 0.1879, 0.4193



40.0196, 0.2381, 0.1747



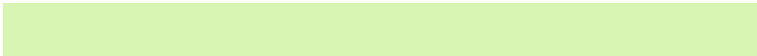
40.0196, 0.4345, 0.2506

# Sweetspot

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



40.0213, 0.3494, 0.5536



82.9707, 0.3333, 0.4013



18.6433, 0.5371, 0.4006



17.6562, 0.3357, 0.4111



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



40.0213, 0.3494, 0.5536



70.4853, 0.3438, 0.5652



36.7239, 0.3028, 0.5895



10.9054, 0.3198, 0.3521



26.5797, 0.3457, 0.5637



1.0793, 0.3631, 0.5499



# Inverse Universe

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



6.5241, 0.2028, 0.0942



9.7685, 0.1897, 0.0819



13.5683, 0.3059, 0.1498



9.4258, 0.3051, 0.3058



3.7649, 0.1926, 0.0835



0.1862, 0.2205, 0.0988



# Previews

## White Background



This preview shows how the Yxy color 40.0196, 0.3494, 0.5536 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 40.0196, 0.3494, 0.5536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

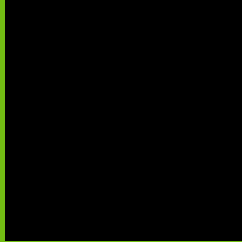
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.0196, 0.3494, 0.5536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.0196, 0.3494, 0.5536.



This preview shows how white text looks on a background with the Yxy color 40.0196, 0.3494, 0.5536.

# 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

40.0196, 0.3494, 0.5536

### Protanopia

39.3450, 0.4389, 0.4867

### Deuteranopia

39.2988, 0.4612, 0.4518



## Tritanopia

39.9193, 0.2692, 0.3087

# Trichromacy



**Original Color**

40.0196, 0.3494, 0.5536

**Protanomaly**

38.7611, 0.4039, 0.5133

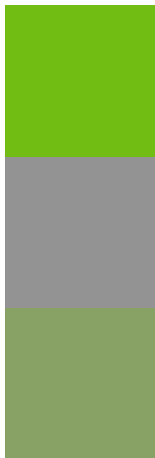
**Deuteranomaly**

38.4657, 0.4179, 0.4910

**Tritanomaly**

39.1183, 0.3080, 0.4130

# Monochromacy



**Original Color**

40.0196, 0.3494, 0.5536

**Achromatopsia**

29.1771, 0.3127, 0.3290

**Achromatomaly**

31.9117, 0.3407, 0.4312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0196, 0.3494, 0.5536 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(114, 189, 19)` looks like.

```
.text, #text, p{  
    color:rgb(114, 189, 19)  
}
```

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(114, 189, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 189, 19) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0196, 0.3494, 0.5536 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(114, 189, 19) }
```

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

```
.border{ border-color:rgb(114, 189, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 189, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 189, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 189, 19);  
box-shadow:4px 4px 4px 4px rgb(114, 189,  
19) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0196, 0.3494, 0.5536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 189, 19) }
```

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

```
.background{ background-color: rgb(114,  
189, 19) }
```

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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