

Converting Colors

$Yxy(38.4350, 0.3490, 0.5611)$

Have a look what the booklet for
Yxy(38.4350, 0.3490, 0.5611)
contains.

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Color

Yxy(38.3690, 0.3490, 0.5611)

Conversions

Conversions Part 1

Format	Color
Hex	6DBA00
RGB	109, 186, 0
RGB Percent	43%, 73%, 0%
CMY	0.5726, 0.2706, 1.0000
CMYK	0.41, 0.00, 1.00, 0.27
HSL	85°, 100%, 36%
HSV	85°, 100%, 73%
XYZ	23.8652, 38.3690, 6.1475
YIQ	141.7730, 13.8140, -74.1700

Conversions

Conversions Part 2

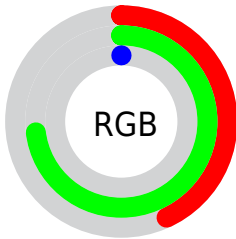
Format	Color
RYB	0, 186, 77
Decimal	7191040
CIELab	68.29, -47.89, 68.60
CIELCh	68, 83.666, 124.917
Yxy	38.3690, 0.3490, 0.5611
Android (android.graphics.Color)	4285381120 (0xFF6DBA00)
YUV	141.7730, -69.8941, -28.7419
Hunter-Lab	61.9427, -39.6274, 37.4757

Details

The Yxy color **38.3690, 0.3490, 0.5611** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.1234, 0.1867, 0.0802**, and the grayscale version is **27.2339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8667, 0.3503, 0.5172**, and **17.1309, 0.3220, 0.5825** is the 20% darker color. If you saturate the color by 10%, you get **38.3707, 0.3490, 0.5611**, and if you desaturate by 10%, it is **38.9263, 0.3532, 0.5506**.

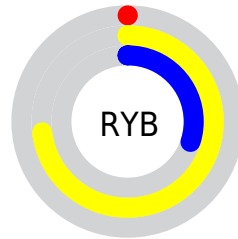
Distribution



Red (43%)

Green (73%)

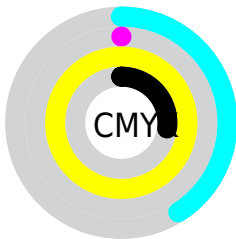
Blue (0%)



Red (0%)

Yellow (73%)

Blue (30%)

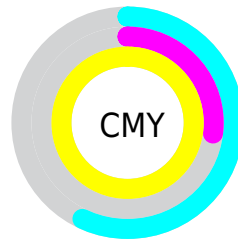


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (57%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3690, 0.3490, 0.5611 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 38.3690, 0.3490, 0.5611 by changing the saturation by 10% instead.


 38.3690, 0.3490,
0.5611


 38.3690, 0.3490,
0.5611


339.2002, 0.3421,
0.4385


 26.2692, 0.3452,
0.5904

 72.6734, 0.3503,
0.5167


 17.0251, 0.3366,
0.6257


 95.6467, 0.3495,
0.4998


 10.2524, 0.3235,
0.6765


 123.0134, 0.3484,
0.4855

 5.5666, 0.2855,
0.7145

 155.1578, 0.3472,
0.4733

 2.5834, 0.2263,
0.7737

 192.4643, 0.3459,
0.4627

 0.9183, 0.0000,
1.0000

 235.3172, 0.3445,

 0.0000, 0.0000,

0.4536

0.0000

284.1011, 0.3433,
0.4456

■ 38.3690, 0.3490,
0.5611

■ 38.3690, 0.3490,
0.5611

■ 38.3707, 0.3490,
0.5611

■ 38.9263, 0.3532,
0.5506

■ 39.5693, 0.3556,
0.5358

■ 40.3168, 0.3557,
0.5159

■ 41.1776, 0.3535,
0.4919

■ 42.1594, 0.3493,
0.4651

■ 43.2692, 0.3434,
0.4368

■ 44.5130, 0.3364,
0.4082

■ 45.8967, 0.3287,
0.3803

■ 47.4256, 0.3207,
0.3537

Harmonies

Analogous

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



38.3690, 0.4522, 0.5051



38.3690, 0.3490, 0.5611



38.3690, 0.2427, 0.5151

Triad

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



38.3690, 0.3490, 0.5611



38.3690, 0.1262, 0.1807



38.3690, 0.4771, 0.2701

Complementary

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



38.3690, 0.3490, 0.5611



5.1234, 0.1867, 0.0802

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.



38.3690, 0.3514, 0.2095



38.3690, 0.3490, 0.5611



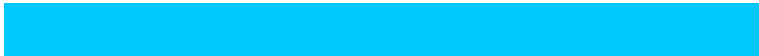
38.3690, 0.1612, 0.1600

Square

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



38.3690, 0.3490, 0.5611



38.3690, 0.1248, 0.2459



38.3690, 0.2355, 0.1709



38.3690, 0.5459, 0.3419

Rectangle

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



38.3690, 0.3490, 0.5611



38.3690, 0.1839, 0.4227



38.3690, 0.2355, 0.1709



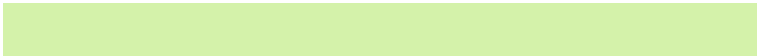
38.3690, 0.4382, 0.2481

Sweetspot

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



38.3707, 0.3490, 0.5611



80.5605, 0.3368, 0.4096



15.3910, 0.5697, 0.3858



17.5249, 0.3398, 0.4217



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.



38.3707, 0.3490, 0.5611



69.4001, 0.3480, 0.5619



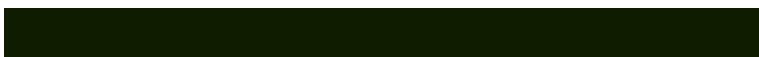
35.2541, 0.3024, 0.5981



10.3130, 0.3202, 0.3520



25.8580, 0.3499, 0.5604



0.9469, 0.3678, 0.5462

Inverse Universe

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



5.1234, 0.1867, 0.0802



9.1519, 0.1851, 0.0793



11.8049, 0.2959, 0.1403



8.8962, 0.3047, 0.3058



3.4885, 0.1880, 0.0810



0.1595, 0.2187, 0.0979

Previews

White Background



This preview shows how the Yxy color 38.3690, 0.3490, 0.5611 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 38.3690, 0.3490, 0.5611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

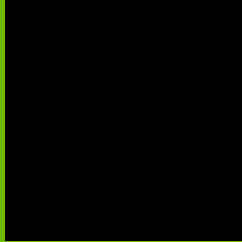
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3690, 0.3490, 0.5611

Background



This preview shows how black text looks on a background with the Yxy color 38.3690, 0.3490, 0.5611.



This preview shows how white text looks on a background with the Yxy color 38.3690, 0.3490, 0.5611.

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

38.3690, 0.3490, 0.5611

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

37.8028, 0.4633, 0.4527



Tritanopia

38.2208, 0.2671, 0.3083

Trichromacy



Original Color

38.3690, 0.3490, 0.5611

Protanomaly

37.2581, 0.4053, 0.5164

Deuteranomaly

36.9554, 0.4204, 0.4947

Tritanomaly

37.3103, 0.3107, 0.4249

Monochromacy



Original Color

38.3690, 0.3490, 0.5611

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.9377, 0.3452, 0.4439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3690, 0.3490, 0.5611 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(109, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 0)  
}
```

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(109, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.3690, 0.3490, 0.5611 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(109, 186, 0) }
```

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

```
.border{ border-color:rgb(109, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3690, 0.3490, 0.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 0) }
```

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

```
.background{ background-color: rgb(109,  
186, 0) }
```

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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