

Converting Colors

$Yxy(38.1360, 0.3427, 0.5591)$

Have a look what the booklet for
Yxy(38.1360, 0.3427, 0.5591)
contains.

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Color

Yxy(38.1045, 0.3429, 0.5589)

Conversions

Conversions Part 1

Format	Color
Hex	68BA12
RGB	104, 186, 18
RGB Percent	41%, 73%, 7%
CMY	0.5921, 0.2706, 0.9294
CMYK	0.44, 0.00, 0.90, 0.27
HSL	89°, 82%, 40%
HSV	89°, 90%, 73%
XYZ	23.3781, 38.1045, 6.6950
YIQ	142.3300, 5.0560, -69.6320

Conversions

Conversions Part 2

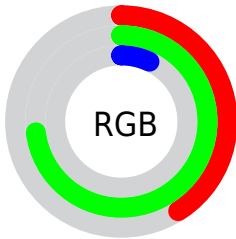
Format	Color
RYB	18, 186, 100
Decimal	6863378
CIELab	68.10, -49.21, 66.06
CIELCh	68, 82.374, 126.687
Yxy	38.1045, 0.3429, 0.5589
Android (android.graphics.Color)	4285053458 (0xFF68BA12)
YUV	142.3300, -61.2947, -33.6154
Hunter-Lab	61.7288, -40.4234, 36.7797

Details

The Yxy color **38.1045, 0.3429, 0.5589** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.6878, 0.2108, 0.0983**, and the grayscale version is **27.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4227, 0.3449, 0.5144**, and **16.9948, 0.3175, 0.5861** is the 20% darker color. If you saturate the color by 10%, you get **37.5634, 0.3382, 0.5697**, and if you desaturate by 10%, it is **38.7665, 0.3462, 0.5431**.

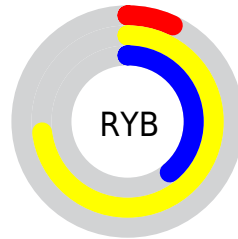
Distribution



Red (41%)

Green (73%)

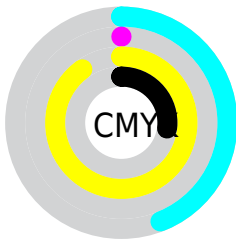
Blue (7%)



Red (7%)

Yellow (73%)

Blue (39%)

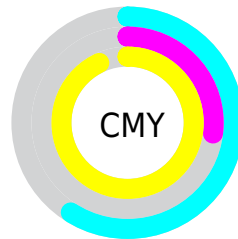


Cyan (44%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (59%)


Magenta (27%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1045, 0.3429, 0.5589 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 38.1045, 0.3429, 0.5589 by changing the saturation by 10% instead.


 38.1045, 0.3429,
0.5589


 38.1045, 0.3429,
0.5589


338.0680, 0.3383,
0.4363

 26.0638, 0.3388,
0.5889


 72.2683, 0.3448,
0.5140


 16.8714, 0.3301,
0.6256

 95.1602, 0.3443,
0.4971


 10.1428, 0.3182,
0.6818


 122.4379, 0.3435,
0.4828

 5.4938, 0.2789,
0.7211

 154.4858, 0.3425,
0.4707

 2.5398, 0.2168,
0.7832

 191.6884, 0.3415,
0.4602

 0.8965, 0.0000,
1.0000

 234.4301, 0.3404,

 0.0000, 0.0000,

0.4512

0.0000

283.0951, 0.3394,
0.4433

■ 38.1045, 0.3429,
0.5589

■ 38.1045, 0.3429,
0.5589

■ 37.5634, 0.3382,
0.5697

■ 38.7665, 0.3462,
0.5431

■ 39.5464, 0.3473,
0.5221

■ 40.4556, 0.3462,
0.4969

■ 41.5023, 0.3432,
0.4689

■ 42.6942, 0.3387,
0.4395

■ 44.0380, 0.3330,
0.4101

■ 45.5401, 0.3265,
0.3815

■ 47.2064, 0.3198,
0.3546

■ 49.0425, 0.3129,
0.3298

Harmonies

Analogous

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



38.1045, 0.4458, 0.5084



38.1045, 0.3429, 0.5589



38.1045, 0.2381, 0.5055

Triad

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



38.1045, 0.3429, 0.5589



38.1045, 0.1290, 0.1801



38.1045, 0.4812, 0.2750

Complementary

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



38.1045, 0.3429, 0.5589



6.6878, 0.2108, 0.0983

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.



38.1045, 0.3587, 0.2137



38.1045, 0.3429, 0.5589



38.1045, 0.1659, 0.1614

Square

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



38.1045, 0.3429, 0.5589



38.1045, 0.1257, 0.2418



38.1045, 0.2422, 0.1739



38.1045, 0.5445, 0.3467

Rectangle

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



38.1045, 0.3429, 0.5589



38.1045, 0.1812, 0.4125



38.1045, 0.2422, 0.1739



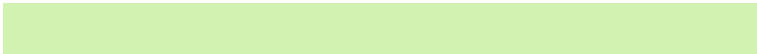
38.1045, 0.4438, 0.2529

Sweetspot

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



38.1061, 0.3429, 0.5589



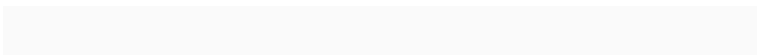
80.5709, 0.3312, 0.4017



19.4462, 0.5251, 0.4111



17.5460, 0.3333, 0.4117



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.



38.1061, 0.3429, 0.5589



67.9395, 0.3371, 0.5705



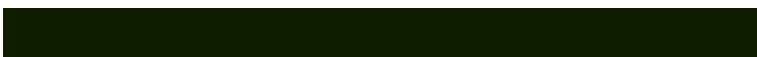
35.3197, 0.3009, 0.5913



10.2800, 0.3191, 0.3521



25.3157, 0.3391, 0.5689



0.9291, 0.3591, 0.5531

Inverse Universe

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



6.6878, 0.2108, 0.0983



10.2938, 0.1984, 0.0866



14.0704, 0.3170, 0.1557



8.9288, 0.3058, 0.3059



3.9182, 0.2013, 0.0883



0.1750, 0.2305, 0.1044

Previews

White Background



This preview shows how the Yxy color 38.1045, 0.3429, 0.5589 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 38.1045, 0.3429, 0.5589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

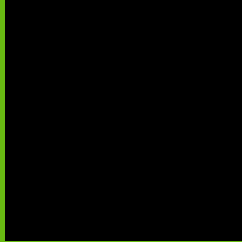
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1045, 0.3429, 0.5589

Background



This preview shows how black text looks on a background with the Yxy color 38.1045, 0.3429, 0.5589.

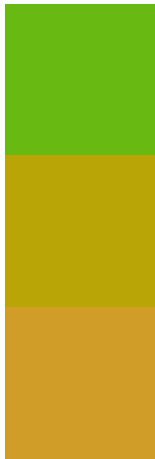


This preview shows how white text looks on a background with the Yxy color 38.1045, 0.3429, 0.5589.

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

38.1045, 0.3429, 0.5589

Protanopia

37.3647, 0.4397, 0.4869

Deuteranopia

37.6839, 0.4607, 0.4513



Tritanopia

37.9106, 0.2643, 0.3081

Trichromacy



Original Color

38.1045, 0.3429, 0.5589

Protanomaly

36.9792, 0.4008, 0.5162

Deuteranomaly

36.6611, 0.4147, 0.4927

Tritanomaly

37.1987, 0.3023, 0.4140

Monochromacy



Original Color

38.1045, 0.3429, 0.5589

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.9060, 0.3373, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1045, 0.3429, 0.5589 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(104, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(104, 186, 18)  
}
```

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(104, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 186, 18) }
```

Border

The CSS property to change the border of an element to Yxy 38.1045, 0.3429, 0.5589 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(104, 186, 18) }
```

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

```
.border{ border-color:rgb(104, 186, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 186, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(104, 186,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1045, 0.3429, 0.5589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 186, 18) }
```

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

```
.background{ background-color: rgb(104,  
186, 18) }
```

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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