

Converting Colors

$Yxy(38.3247, 0.3187, 0.5846)$

Have a look what the booklet for
Yxy(38.3247, 0.3187, 0.5846)
contains.

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Color

Yxy(38.4593, 0.3185, 0.5846)

Conversions

Conversions Part 1

Format	Color
Hex	43BF02
RGB	67, 191, 2
RGB Percent	26%, 75%, 1%
CMY	0.7375, 0.2509, 0.9923
CMYK	0.65, 0.00, 0.99, 0.25
HSL	99°, 98%, 38%
HSV	99°, 99%, 75%
XYZ	20.9533, 38.4593, 6.3748
YIQ	132.3780, -13.2350, -85.0670

Conversions

Conversions Part 2

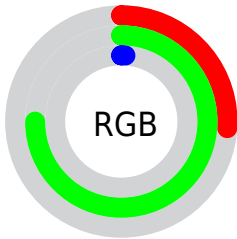
Format	Color
RYB	2, 191, 126
Decimal	4439810
CIELab	68.36, -61.56, 67.78
CIELCh	68, 91.569, 132.247
Yxy	38.4593, 0.3185, 0.5846
Android (android.graphics.Color)	4282629890 (0xFF43BF02)
YUV	132.3780, -64.2764, -57.3365
Hunter-Lab	62.0156, -48.2172, 37.3163

Details

The Yxy color **38.4593, 0.3185, 0.5846** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **8.2425, 0.2366, 0.1082**, and the grayscale version is **23.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5246, 0.3262, 0.5336**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.4117, 0.3180, 0.5857**, and if you desaturate by 10%, it is **39.0026, 0.3235, 0.5726**.

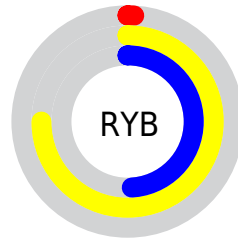
Distribution



Red (26%)

Green (75%)

Blue (1%)



Red (1%)

Yellow (75%)

Blue (49%)

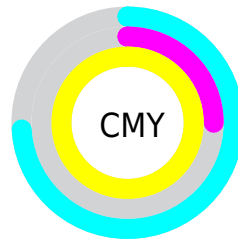


Cyan (65%)

Magenta (0%)

Yellow (99%)

Black (25%)



Cyan (74%)


Magenta (25%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4593, 0.3185, 0.5846 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 38.4593, 0.3185, 0.5846 by changing the saturation by 10% instead.

 38.4593, 0.3185,
0.5846


 38.4593, 0.3185,
0.5846


339.5862, 0.3281,
0.4462

 26.3394, 0.3103,
0.6191


 72.8116, 0.3260,
0.5334


 17.0777, 0.2961,
0.6614


 95.8127, 0.3275,
0.5142


 10.2899, 0.2758,
0.7242


 123.2097, 0.3284,
0.4982

 5.5916, 0.2285,
0.7715

 155.3869, 0.3287,
0.4845

 2.5984, 0.1416,
0.8584

 192.7288, 0.3288,
0.4728

 0.9258, 0.0000,
1.0000

 235.6197, 0.3287,

 0.0000, 0.0000,

0.4627

0.0000

284.4440, 0.3284,
0.4539

■ 38.4593, 0.3185,
0.5846

■ 38.4593, 0.3185,
0.5846

■ 38.4117, 0.3180,
0.5857

■ 39.0026, 0.3235,
0.5726

■ 39.6957, 0.3274,
0.5546

■ 40.5599, 0.3297,
0.5306

■ 41.6084, 0.3304,
0.5023

■ 42.8529, 0.3295,
0.4713

■ 44.3041, 0.3273,
0.4395

■ 45.9715, 0.3243,
0.4083

■ 47.8643, 0.3205,
0.3787

■ 49.9910, 0.3165,
0.3514

Harmonies

Analogous

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



38.4593, 0.4315, 0.5353



38.4593, 0.3185, 0.5846



38.4593, 0.2096, 0.5020

Triad

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



38.4593, 0.3185, 0.5846



38.4593, 0.1205, 0.1612



38.4593, 0.5184, 0.2819

Complementary

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



38.4593, 0.3185, 0.5846



8.2425, 0.2366, 0.1082

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.



38.4593, 0.3891, 0.2148



38.4593, 0.3185, 0.5846



38.4593, 0.1658, 0.1493

Square

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



38.4593, 0.3185, 0.5846



38.4593, 0.1100, 0.2150



38.4593, 0.2554, 0.1681



38.4593, 0.5677, 0.3576

Rectangle

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



38.4593, 0.3185, 0.5846



38.4593, 0.1550, 0.3891



38.4593, 0.2554, 0.1681



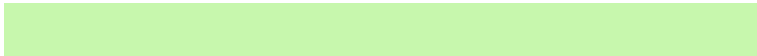
38.4593, 0.4811, 0.2581

Sweetspot

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



38.4609, 0.3185, 0.5846



81.8529, 0.3248, 0.4129



25.7092, 0.4966, 0.4431



17.6892, 0.3261, 0.4261



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.4609, 0.3185, 0.5846



68.6680, 0.3170, 0.5865



37.3734, 0.2965, 0.5864



10.8048, 0.3166, 0.3523



25.2816, 0.3189, 0.5850



1.0271, 0.3388, 0.5692

Inverse Universe

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



8.2425, 0.2366, 0.1082



14.4531, 0.2345, 0.1065



13.7520, 0.3624, 0.1774



9.5277, 0.3084, 0.3060



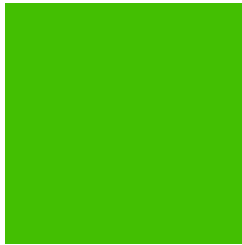
5.4007, 0.2369, 0.1079



0.2464, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 38.4593, 0.3185, 0.5846 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 38.4593, 0.3185, 0.5846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

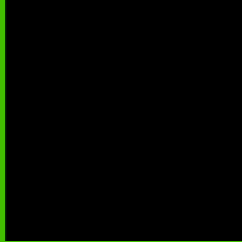
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4593, 0.3185, 0.5846

Background



This preview shows how black text looks on a background with the Yxy color 38.4593, 0.3185, 0.5846.



This preview shows how white text looks on a background with the Yxy color 38.4593, 0.3185, 0.5846.

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

38.4593, 0.3185, 0.5846

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

37.6770, 0.4612, 0.4519



Tritanopia

38.4133, 0.2467, 0.3076

Trichromacy



Original Color

38.4593, 0.3185, 0.5846



Protanomaly

36.5018, 0.3874, 0.5303



Deuteranomaly

35.6186, 0.4025, 0.5070



Tritanomaly

37.4209, 0.2840, 0.4315

Monochromacy



Original Color

38.4593, 0.3185, 0.5846



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.6265, 0.3281, 0.4547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4593, 0.3185, 0.5846 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(67, 191, 2)` looks like.

```
.text, #text, p{  
    color:rgb(67, 191, 2)  
}
```

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(67, 191, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 191, 2) }
```

Border

The CSS property to change the border of an element to Yxy 38.4593, 0.3185, 0.5846 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(67, 191, 2) }
```

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

```
.border{ border-color:rgb(67, 191, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 191, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 191, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 191, 2);  
box-shadow:4px 4px 4px 4px rgb(67, 191, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.4593, 0.3185, 0.5846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 191, 2) }
```

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

```
.background{ background-color: rgb(67, 191,  
2) }
```

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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