

Converting Colors

$Y_{xy}(38.6559, 0.3200, 0.5841)$

Have a look what the booklet for
Yxy(38.6559, 0.3200, 0.5841)
contains.

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Color

Yxy(38.5637, 0.3203, 0.5839)

Conversions

Conversions Part 1

Format	Color
Hex	46BF00
RGB	70, 191, 0
RGB Percent	27%, 75%, 0%
CMY	0.7256, 0.2510, 1.0000
CMYK	0.63, 0.00, 1.00, 0.25
HSL	98°, 100%, 37%
HSV	98°, 100%, 75%
XYZ	21.1542, 38.5637, 6.3271
YIQ	133.0470, -10.8050, -85.0530

Conversions

Conversions Part 2

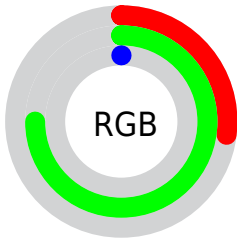
Format	Color
RYB	0, 191, 121
Decimal	4636416
CIELab	68.43, -60.93, 68.11
CIELCh	68, 91.386, 131.815
Yxy	38.5637, 0.3203, 0.5839
Android (android.graphics.Color)	4282826496 (0xFF46BF00)
YUV	133.0470, -65.5922, -55.2922
Hunter-Lab	62.0997, -47.8685, 37.4289

Details

The Yxy color **38.5637, 0.3203, 0.5839** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **7.8303, 0.2306, 0.1044**, and the grayscale version is **23.7171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6859, 0.3273, 0.5328**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.5654, 0.3203, 0.5839**, and if you desaturate by 10%, it is **39.1089, 0.3254, 0.5722**.

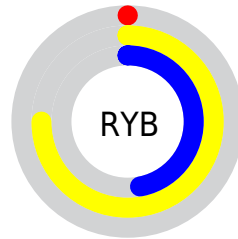
Distribution



Red (27%)

Green (75%)

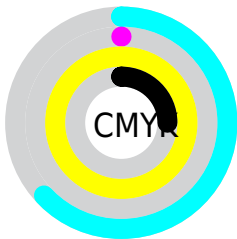
Blue (0%)



Red (0%)

Yellow (75%)

Blue (47%)

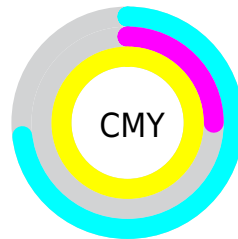


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (73%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5637, 0.3203, 0.5839 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 38.5637, 0.3203, 0.5839 by changing the saturation by 10% instead.


 38.5637, 0.3203,
0.5839


 38.5637, 0.3203,
0.5839


340.0320, 0.3291,
0.4461


 26.4205, 0.3123,
0.6181


 72.9713, 0.3275,
0.5330


 17.1385, 0.2984,
0.6600


 96.0045, 0.3289,
0.5140

 10.3333, 0.2783,
0.7217


 123.4365, 0.3296,
0.4980

 5.6205, 0.2316,
0.7684

 155.6517, 0.3299,
0.4844

 2.6157, 0.1474,
0.8526

 193.0344, 0.3299,
0.4727

 0.9346, 0.0000,
1.0000

 235.9691, 0.3297,

 0.0000, 0.0000,

0.4627

0.0000

284.8401, 0.3294,
0.4539

■ 38.5637, 0.3203,
0.5839

■ 38.5637, 0.3203,
0.5839

■ 38.5654, 0.3203,
0.5839

■ 39.1089, 0.3254,
0.5722

■ 39.7947, 0.3294,
0.5550

■ 40.6442, 0.3318,
0.5319

■ 41.6704, 0.3324,
0.5042

■ 42.8844, 0.3314,
0.4737

■ 44.2965, 0.3290,
0.4422

■ 45.9160, 0.3257,
0.4111

■ 47.7518, 0.3217,
0.3815

■ 49.8119, 0.3173,
0.3540

Harmonies

Analogous

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



38.5637, 0.4330, 0.5337



38.5637, 0.3203, 0.5839



38.5637, 0.2113, 0.5036

Triad

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



38.5637, 0.3203, 0.5839



38.5637, 0.1205, 0.1620



38.5637, 0.5164, 0.2810

Complementary

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



38.5637, 0.3203, 0.5839



7.8303, 0.2306, 0.1044

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.



38.5637, 0.3868, 0.2142



38.5637, 0.3203, 0.5839



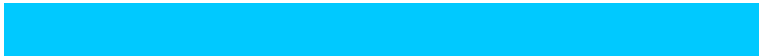
38.5637, 0.1652, 0.1496

Square

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



38.5637, 0.3203, 0.5839



38.5637, 0.1105, 0.2165



38.5637, 0.2539, 0.1679



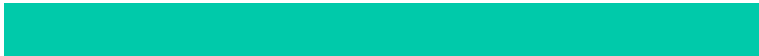
38.5637, 0.5671, 0.3566

Rectangle

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



38.5637, 0.3203, 0.5839



38.5637, 0.1564, 0.3915



38.5637, 0.2539, 0.1679



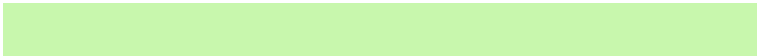
38.5637, 0.4788, 0.2573

Sweetspot

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



38.5654, 0.3203, 0.5839



82.0826, 0.3259, 0.4126



24.7451, 0.5026, 0.4391



17.7442, 0.3274, 0.4257



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.



38.5654, 0.3203, 0.5839



68.9395, 0.3193, 0.5847



37.3370, 0.2971, 0.5897



10.8152, 0.3170, 0.3523



25.3846, 0.3212, 0.5831



1.0318, 0.3411, 0.5673

Inverse Universe

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



7.8303, 0.2306, 0.1044



13.8804, 0.2292, 0.1036



13.8136, 0.3578, 0.1745



9.5168, 0.3081, 0.3060



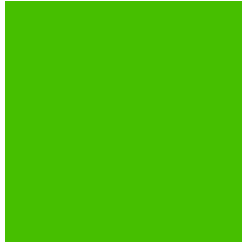
5.1924, 0.2317, 0.1050



0.2393, 0.2534, 0.1170

Previews

White Background



This preview shows how the Yxy color 38.5637, 0.3203, 0.5839 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 38.5637, 0.3203, 0.5839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

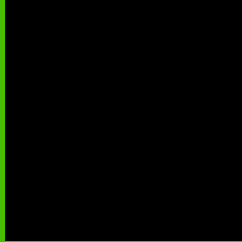
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5637, 0.3203, 0.5839

Background



This preview shows how black text looks on a background with the Yxy color 38.5637, 0.3203, 0.5839.



This preview shows how white text looks on a background with the Yxy color 38.5637, 0.3203, 0.5839.

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

38.5637, 0.3203, 0.5839

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

37.6770, 0.4612, 0.4519



Tritanopia

38.5301, 0.2478, 0.3077

Trichromacy



Original Color

38.5637, 0.3203, 0.5839



Protanomaly

36.5892, 0.3885, 0.5297



Deuteranomaly

35.7152, 0.4038, 0.5067



Tritanomaly

37.4963, 0.2859, 0.4330

Monochromacy



Original Color

38.5637, 0.3203, 0.5839



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.0821, 0.3299, 0.4552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5637, 0.3203, 0.5839 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(70, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 191, 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(70, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.5637, 0.3203, 0.5839 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(70, 191, 0) }
```

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

```
.border{ border-color:rgb(70, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.5637, 0.3203, 0.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 191, 0) }
```

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

```
.background{ background-color: rgb(70, 191,  
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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