

Converting Colors

$Y_{xy}(39.0909, 0.3263, 0.5791)$

Have a look what the booklet for
Yxy(39.0909, 0.3263, 0.5791)
contains.

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Color

Yxy(38.9671, 0.3261, 0.5793)

Conversions

Conversions Part 1

Format	Color
Hex	50BF00
RGB	80, 191, 0
RGB Percent	31%, 75%, 0%
CMY	0.6865, 0.2509, 1.0000
CMYK	0.58, 0.00, 1.00, 0.25
HSL	95°, 100%, 37%
HSV	95°, 100%, 75%
XYZ	21.9354, 38.9671, 6.3633
YIQ	136.0370, -4.8450, -82.9330

Conversions

Conversions Part 2

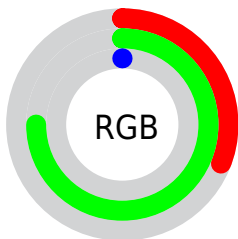
Format	Color
RYB	0, 191, 111
Decimal	5291776
CIELab	68.73, -58.51, 68.47
CIELCh	69, 90.063, 130.516
Yxy	38.9671, 0.3261, 0.5793
Android (android.graphics.Color)	4283481856 (0xFF50BF00)
YUV	136.0370, -67.0662, -49.1444
Hunter-Lab	62.4236, -46.5172, 37.6526

Details

The Yxy color **38.9671, 0.3261, 0.5793** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **7.1457, 0.2189, 0.0980**, and the grayscale version is **24.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3620, 0.3320, 0.5298**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.9689, 0.3261, 0.5793**, and if you desaturate by 10%, it is **39.5399, 0.3313, 0.5677**.

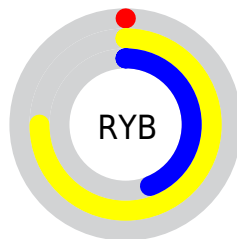
Distribution



Red (31%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (44%)

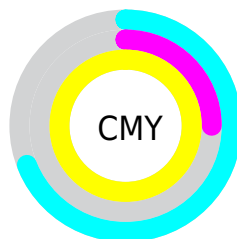


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (69%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9671, 0.3261, 0.5793 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 38.9671, 0.3261, 0.5793 by changing the saturation by 10% instead.

 38.9671, 0.3261,
0.5793


 38.9671, 0.3261,
0.5793


341.7506, 0.3317,
0.4448


 26.7341, 0.3190,
0.6124


 73.5881, 0.3321,
0.5299

 17.3736, 0.3062,
0.6527


 96.7448, 0.3331,
0.5113


 10.5013, 0.2878,
0.7122


 124.3117, 0.3334,
0.4957


 5.7325, 0.2431,
0.7569

 156.6730, 0.3334,
0.4824

 2.6831, 0.1681,
0.8319

 194.2131, 0.3331,
0.4710

 0.9686, 0.0000,
1.0000

 237.3165, 0.3327,

 0.0000, 0.0000,

0.4611

0.0000

286.3675, 0.3322,
0.4524

■ 38.9671, 0.3261,
0.5793

■ 38.9671, 0.3261,
0.5793

■ 38.9689, 0.3261,
0.5793

■ 39.5399, 0.3313,
0.5677

■ 40.2410, 0.3351,
0.5509

■ 41.0925, 0.3372,
0.5283

■ 42.1060, 0.3372,
0.5014

■ 43.2918, 0.3355,
0.4718

■ 44.6591, 0.3324,
0.4410

■ 46.2165, 0.3282,
0.4105

■ 47.9719, 0.3233,
0.3813

■ 49.9325, 0.3181,
0.3540

Harmonies

Analogous

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



38.9671, 0.4370, 0.5279



38.9671, 0.3261, 0.5793



38.9671, 0.2175, 0.5062

Triad

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



38.9671, 0.3261, 0.5793



38.9671, 0.1217, 0.1656



38.9671, 0.5086, 0.2790

Complementary

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



38.9671, 0.3261, 0.5793



7.1457, 0.2189, 0.0980

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.



38.9671, 0.3796, 0.2133



38.9671, 0.3261, 0.5793



38.9671, 0.1644, 0.1516

Square

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



38.9671, 0.3261, 0.5793



38.9671, 0.1133, 0.2222



38.9671, 0.2502, 0.1685



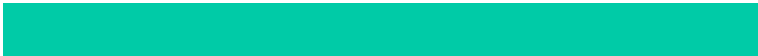
38.9671, 0.5632, 0.3538

Rectangle

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



38.9671, 0.3261, 0.5793



38.9671, 0.1617, 0.3978



38.9671, 0.2502, 0.1685



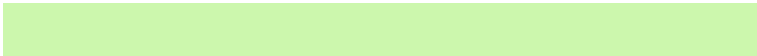
38.9671, 0.4707, 0.2556

Sweetspot

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



38.9689, 0.3261, 0.5793



82.6246, 0.3284, 0.4119



21.8532, 0.5216, 0.4241



17.8744, 0.3303, 0.4248



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.



38.9689, 0.3261, 0.5793



69.6506, 0.3250, 0.5801



37.2941, 0.2989, 0.5959



10.8394, 0.3177, 0.3523



25.6521, 0.3271, 0.5785



1.0433, 0.3468, 0.5629

Inverse Universe

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



7.1457, 0.2189, 0.0980



12.6505, 0.2175, 0.0972



14.3030, 0.3384, 0.1638



9.4919, 0.3073, 0.3059



4.7437, 0.2202, 0.0987



0.2234, 0.2442, 0.1119

Previews

White Background



This preview shows how the Yxy color 38.9671, 0.3261, 0.5793 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 38.9671, 0.3261, 0.5793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

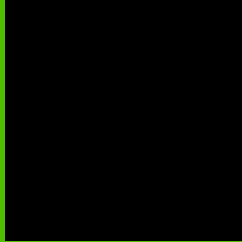
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9671, 0.3261, 0.5793

Background



This preview shows how black text looks on a background with the Yxy color 38.9671, 0.3261, 0.5793.



This preview shows how white text looks on a background with the Yxy color 38.9671, 0.3261, 0.5793.

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

38.9671, 0.3261, 0.5793

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.1622, 0.4610, 0.4522



Tritanopia

38.9616, 0.2518, 0.3079

Trichromacy



Original Color

38.9671, 0.3261, 0.5793



Protanomaly

37.4402, 0.3926, 0.5265



Deuteranomaly

36.5010, 0.4070, 0.5044



Tritanomaly

37.9248, 0.2911, 0.4315

Monochromacy



Original Color

38.9671, 0.3261, 0.5793



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.1781, 0.3338, 0.4519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9671, 0.3261, 0.5793 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(80, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.9671, 0.3261, 0.5793 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(80, 191, 0) }
```

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

```
.border{ border-color:rgb(80, 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(80, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.9671, 0.3261, 0.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 191, 0) }
```

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

```
.background{ background-color: rgb(80, 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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