

Converting Colors

$Y_{xy}(39.7759, 0.3239, 0.5450)$

Have a look what the booklet for
Yxy(39.7759, 0.3239, 0.5450)
contains.

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Color

Yxy(39.7759, 0.3239, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	5CBF33
RGB	92, 191, 51
RGB Percent	36%, 75%, 20%
CMY	0.6394, 0.2509, 0.7998
CMYK	0.52, 0.00, 0.73, 0.25
HSL	102°, 58%, 47%
HSV	102°, 73%, 75%
XYZ	23.6393, 39.7759, 9.5681
YIQ	145.4390, -14.0640, -64.5280

Conversions

Conversions Part 2

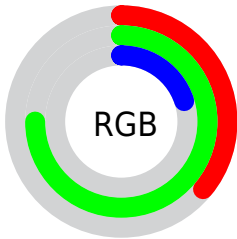
Format	Color
RYB	51, 191, 150
Decimal	6078259
CIELab	69.31, -53.28, 58.17
CIELCh	69, 78.879, 132.486
Yxy	39.7759, 0.3239, 0.5450
Android (android.graphics.Color)	4284268339 (0xFF5CBF33)
YUV	145.4390, -46.5584, -46.8660
Hunter-Lab	63.0681, -43.4636, 35.1528

Details

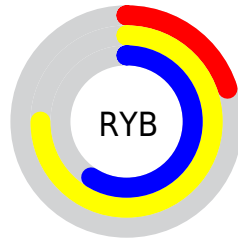
The Yxy color **39.7759, 0.3239, 0.5450** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **12.6268, 0.2686, 0.1463**, and the grayscale version is **28.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6594, 0.3274, 0.5015**, and **17.7677, 0.3055, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **39.0074, 0.3208, 0.5669**, and if you desaturate by 10%, it is **40.7412, 0.3256, 0.5177**.

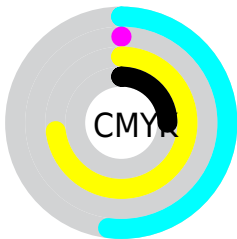
Distribution



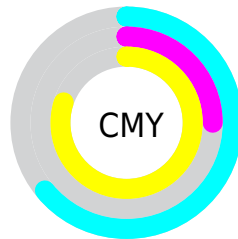
- Red (36%)
- Green (75%)
- Blue (20%)



- Red (20%)
- Yellow (75%)
- Blue (59%)



- Cyan (52%)
- Magenta (0%)
- Yellow (73%)
- Black (25%)




- Cyan (64%)
- Magenta (25%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7759, 0.3239, 0.5450 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 39.7759, 0.3239, 0.5450 by changing the saturation by 10% instead.


 39.7759, 0.3239,
0.5450


 39.7759, 0.3239,
0.5450

345.1781, 0.3266,
0.4280


 27.3639, 0.3193,
0.5753

 74.8221, 0.3275,
0.5012

 17.8467, 0.3108,
0.6137


 98.2251, 0.3281,
0.4850


 10.8400, 0.2953,
0.6636


 126.0606, 0.3282,
0.4715

 5.9593, 0.2677,
0.7323

 158.7128, 0.3281,
0.4601

 2.8204, 0.2059,
0.7941

 196.5663, 0.3278,
0.4503

 1.0387, 0.0000,
1.0000

 240.0054, 0.3274,

 0.0000, 0.0000,

0.4418

0.0000

289.4146, 0.3271,
0.4344

■ 39.7759, 0.3239,
0.5450

■ 39.7759, 0.3239,
0.5450

■ 39.0074, 0.3208,
0.5669

■ 40.7412, 0.3256,
0.5177

■ 38.4149, 0.3164,
0.5822

■ 41.9119, 0.3259,
0.4869

■ 38.1011, 0.3133,
0.5894

■ 43.3019, 0.3249,
0.4545

■ 44.9226, 0.3230,
0.4223

■ 46.7843, 0.3203,
0.3915

■ 48.8968, 0.3172,
0.3629

■ 51.2693, 0.3138,
0.3369

■ 53.9105, 0.3104,
0.3136

■ 56.8286, 0.3070,
0.2929

Harmonies

Analogous

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



39.7759, 0.4244, 0.5149



39.7759, 0.3239, 0.5450



39.7759, 0.2256, 0.4716

Triad

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



39.7759, 0.3239, 0.5450



39.7759, 0.1405, 0.1806



39.7759, 0.4897, 0.2912

Complementary

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



39.7759, 0.3239, 0.5450



12.6268, 0.2686, 0.1463

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.



39.7759, 0.3804, 0.2290



39.7759, 0.3239, 0.5450



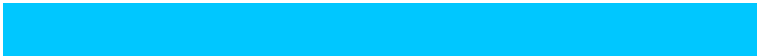
39.7759, 0.1833, 0.1684

Square

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



39.7759, 0.3239, 0.5450



39.7759, 0.1313, 0.2315



39.7759, 0.2649, 0.1857



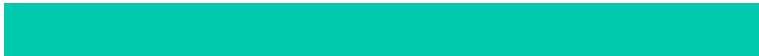
39.7759, 0.5352, 0.3624

Rectangle

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



39.7759, 0.3239, 0.5450



39.7759, 0.1754, 0.3806



39.7759, 0.2649, 0.1857



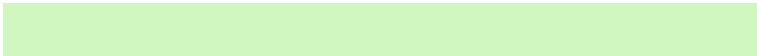
39.7759, 0.4579, 0.2691

Sweetspot

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



39.7776, 0.3239, 0.5450



84.1148, 0.3200, 0.3888



32.8178, 0.4474, 0.4471



18.2578, 0.3208, 0.3970



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.



39.7776, 0.3239, 0.5450



69.1710, 0.3182, 0.5771



38.5352, 0.2907, 0.5231



10.7811, 0.3159, 0.3524



25.0736, 0.3142, 0.5887



1.0169, 0.3335, 0.5734

Inverse Universe

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



12.6268, 0.2686, 0.1463



17.8063, 0.2559, 0.1232



16.0939, 0.3589, 0.1972



9.5524, 0.3092, 0.3061



5.9095, 0.2489, 0.1145



0.2635, 0.2669, 0.1244

Previews

White Background



This preview shows how the Yxy color 39.7759, 0.3239, 0.5450 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 39.7759, 0.3239, 0.5450 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 39.7759, 0.3239, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 39.7759, 0.3239, 0.5450.



This preview shows how white text looks on a background with the Yxy color 39.7759, 0.3239, 0.5450.

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

39.7759, 0.3239, 0.5450

Protanopia

39.0135, 0.4292, 0.4722

Deuteranopia

39.2021, 0.4479, 0.4385



Tritanopia

39.4730, 0.2555, 0.3067

Trichromacy



Original Color

39.7759, 0.3239, 0.5450



Protanomaly

38.1259, 0.3864, 0.5017



Deuteranomaly

37.6571, 0.3976, 0.4785



Tritanomaly

38.9782, 0.2845, 0.3971

Monochromacy



Original Color

39.7759, 0.3239, 0.5450



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.4240, 0.3225, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7759, 0.3239, 0.5450 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(92, 191, 51)` looks like.

```
.text, #text, p{  
    color:rgb(92, 191, 51)  
}
```

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(92, 191, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 191, 51) }
```

Border

The CSS property to change the border of an element to Yxy 39.7759, 0.3239, 0.5450 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(92, 191, 51) }
```

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

```
.border{ border-color:rgb(92, 191, 51) }
```

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

Here you see how a box with a 4 pixel rgb(92, 191, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 191, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 191, 51);  
box-shadow:4px 4px 4px 4px rgb(92, 191,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7759, 0.3239, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 191, 51) }
```

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

```
.background{ background-color: rgb(92, 191,  
51) }
```

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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