

Converting Colors

$Y_{xy}(39.2421, 0.3284, 0.5775)$

Have a look what the booklet for
Yxy(39.2421, 0.3284, 0.5775)
contains.

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Color

Yxy(39.1464, 0.3286, 0.5773)

Conversions

Conversions Part 1

Format	Color
Hex	54BF00
RGB	84, 191, 0
RGB Percent	33%, 75%, 0%
CMY	0.6709, 0.2509, 1.0000
CMYK	0.56, 0.00, 1.00, 0.25
HSL	94°, 100%, 37%
HSV	94°, 100%, 75%
XYZ	22.2822, 39.1464, 6.3809
YIQ	137.2330, -2.4610, -82.0850

Conversions

Conversions Part 2

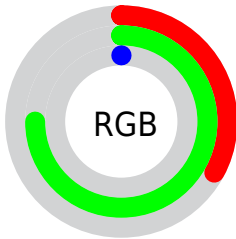
Format	Color
RYB	0, 191, 107
Decimal	5553920
CIELab	68.86, -57.46, 68.62
CIELCh	69, 89.502, 129.942
Yxy	39.1464, 0.3286, 0.5773
Android (android.graphics.Color)	4283744000 (0xFF54BF00)
YUV	137.2330, -67.6559, -46.6853
Hunter-Lab	62.5671, -45.9227, 37.7503

Details

The Yxy color **39.1464, 0.3286, 0.5773** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **6.8929, 0.2144, 0.0955**, and the grayscale version is **25.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7191, 0.3343, 0.5283**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.1481, 0.3286, 0.5773**, and if you desaturate by 10%, it is **39.7274, 0.3337, 0.5658**.

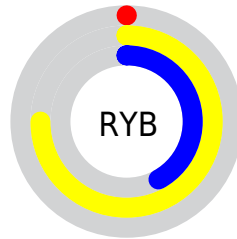
Distribution



Red (33%)

Green (75%)

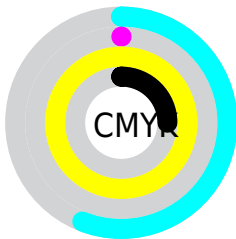
Blue (0%)



Red (0%)

Yellow (75%)

Blue (42%)

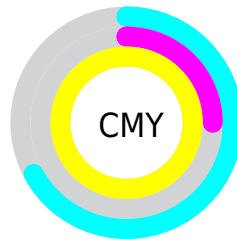


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (67%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1464, 0.3286, 0.5773 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 39.1464, 0.3286, 0.5773 by changing the saturation by 10% instead.


 39.1464, 0.3286,
0.5773


 39.1464, 0.3286,
0.5773


342.5125, 0.3329,
0.4443


 26.8736, 0.3219,
0.6099


 73.8619, 0.3341,
0.5285


 17.4783, 0.3096,
0.6496


 97.0735, 0.3349,
0.5101


 10.5761, 0.2919,
0.7081


 124.7000, 0.3351,
0.4947

 5.7826, 0.2481,
0.7519

 157.1261, 0.3349,
0.4815

 2.7133, 0.1765,
0.8235

 194.7359, 0.3345,
0.4702

 0.9840, 0.0000,
1.0000

 237.9140, 0.3340,

 0.0000, 0.0000,

0.4604

0.0000

287.0448, 0.3335,
0.4518

■ 39.1464, 0.3286,
0.5773

■ 39.1464, 0.3286,
0.5773

■ 39.1481, 0.3286,
0.5773

■ 39.7274, 0.3337,
0.5658

■ 40.4320, 0.3375,
0.5491

■ 41.2817, 0.3394,
0.5269

■ 42.2877, 0.3392,
0.5003

■ 43.4602, 0.3372,
0.4710

■ 44.8078, 0.3338,
0.4405

■ 46.3390, 0.3292,
0.4102

■ 48.0611, 0.3240,
0.3811

■ 49.9813, 0.3184,
0.3540

Harmonies

Analogous

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



39.1464, 0.4387, 0.5254



39.1464, 0.3286, 0.5773



39.1464, 0.2202, 0.5073

Triad

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



39.1464, 0.3286, 0.5773



39.1464, 0.1222, 0.1672



39.1464, 0.5052, 0.2781

Complementary

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



39.1464, 0.3286, 0.5773



6.8929, 0.2144, 0.0955

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.



39.1464, 0.3765, 0.2129



39.1464, 0.3286, 0.5773



39.1464, 0.1641, 0.1525

Square

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



39.1464, 0.3286, 0.5773



39.1464, 0.1145, 0.2247



39.1464, 0.2486, 0.1688



39.1464, 0.5614, 0.3526

Rectangle

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



39.1464, 0.3286, 0.5773



39.1464, 0.1641, 0.4006



39.1464, 0.2486, 0.1688



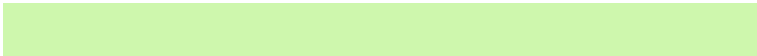
39.1464, 0.4671, 0.2549

Sweetspot

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



39.1481, 0.3286, 0.5773



82.8447, 0.3295, 0.4116



21.1924, 0.5264, 0.4202



17.9274, 0.3315, 0.4245



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.



39.1481, 0.3286, 0.5773



69.9671, 0.3275, 0.5781



37.2874, 0.2992, 0.5970



10.8492, 0.3181, 0.3523



25.7703, 0.3296, 0.5765



1.0482, 0.3491, 0.5610

Inverse Universe

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



6.8929, 0.2144, 0.0955



12.1972, 0.2130, 0.0947



14.4330, 0.3339, 0.1613



9.4820, 0.3069, 0.3059



4.5777, 0.2157, 0.0962



0.2174, 0.2405, 0.1099

Previews

White Background



This preview shows how the Yxy color 39.1464, 0.3286, 0.5773 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 39.1464, 0.3286, 0.5773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

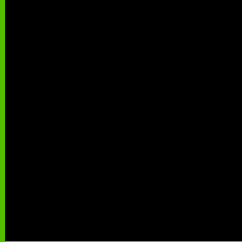
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1464, 0.3286, 0.5773

Background



This preview shows how black text looks on a background with the Yxy color 39.1464, 0.3286, 0.5773.



This preview shows how white text looks on a background with the Yxy color 39.1464, 0.3286, 0.5773.

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

39.1464, 0.3286, 0.5773

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.3086, 0.4619, 0.4516



Tritanopia

39.1573, 0.2536, 0.3080

Trichromacy



Original Color

39.1464, 0.3286, 0.5773



Protanomaly

37.5347, 0.3936, 0.5257



Deuteranomaly

36.7122, 0.4090, 0.5029



Tritanomaly

38.0969, 0.2932, 0.4309

Monochromacy



Original Color

39.1464, 0.3286, 0.5773



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.6536, 0.3355, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1464, 0.3286, 0.5773 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(84, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.1464, 0.3286, 0.5773 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(84, 191, 0) }
```

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

```
.border{ border-color:rgb(84, 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(84, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.1464, 0.3286, 0.5773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 191, 0) }
```

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

```
.background{ background-color: rgb(84, 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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