

Converting Colors

$Y_{xy}(39.3690, 0.3320, 0.5585)$

Have a look what the booklet for
Yxy(39.3690, 0.3320, 0.5585)
contains.

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Color

Yxy(39.3641, 0.3319, 0.5584)

Conversions

Conversions Part 1

Format	Color
Hex	5FBE20
RGB	95, 190, 32
RGB Percent	37%, 75%, 13%
CMY	0.6273, 0.2549, 0.8744
CMYK	0.50, 0.00, 0.83, 0.25
HSL	96°, 71%, 44%
HSV	96°, 83%, 75%
XYZ	23.3971, 39.3641, 7.7332
YIQ	143.5830, -5.9020, -69.2780

Conversions

Conversions Part 2

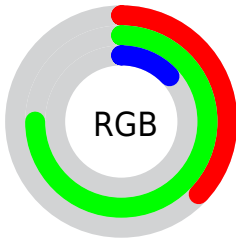
Format	Color
RYB	32, 190, 127
Decimal	6274592
CIELab	69.01, -53.08, 63.75
CIElCh	69, 82.956, 129.781
Yxy	39.3641, 0.3319, 0.5584
Android (android.graphics.Color)	4284464672 (0xFF5FBE20)
YUV	143.5830, -55.0104, -42.6073
Hunter-Lab	62.7408, -43.2308, 36.6107

Details

The Yxy color **39.3641, 0.3319, 0.5584** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **9.2637, 0.2400, 0.1198**, and the grayscale version is **27.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1643, 0.3356, 0.5130**, and **17.8279, 0.3075, 0.5940** is the 20% darker color. If you saturate the color by 10%, you get **38.7227, 0.3274, 0.5735**, and if you desaturate by 10%, it is **40.1581, 0.3346, 0.5373**.

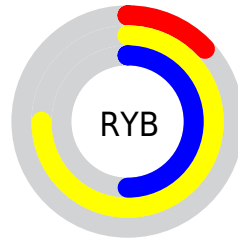
Distribution



Red (37%)

Green (75%)

Blue (13%)



Red (13%)

Yellow (75%)

Blue (50%)

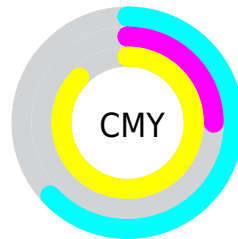


Cyan (50%)

Magenta (0%)

Yellow (83%)

Black (25%)



Cyan (63%)

Magenta (25%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3641, 0.3319, 0.5584 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 39.3641, 0.3319, 0.5584 by changing the saturation by 10% instead.


 39.3641, 0.3319,
0.5584

 39.3641, 0.3319,
0.5584


343.4360, 0.3323,
0.4352


 27.0431, 0.3271,
0.5893


 74.1942, 0.3353,
0.5128

 17.6056, 0.3177,
0.6275


 97.4721, 0.3355,
0.4958


 10.6672, 0.3028,
0.6815


 125.1711, 0.3353,
0.4815

 5.8435, 0.2671,
0.7329

 157.6755, 0.3349,
0.4694

 2.7502, 0.2040,
0.7960

 195.3699, 0.3343,
0.4590

 1.0027, 0.0000,
1.0000

 238.6384, 0.3337,

 0.0000, 0.0000,

0.4500

0.0000

287.8657, 0.3330,
0.4421

■ 39.3641, 0.3319,
0.5584

■ 39.3641, 0.3319,
0.5584

■ 38.7227, 0.3274,
0.5735

■ 40.1581, 0.3346,
0.5373

■ 38.3539, 0.3239,
0.5811

■ 41.1123, 0.3355,
0.5113

■ 42.2391, 0.3346,
0.4821

■ 43.5484, 0.3322,
0.4512

■ 45.0491, 0.3286,
0.4202

■ 46.7493, 0.3242,
0.3904

■ 48.6569, 0.3194,
0.3623

■ 50.7790, 0.3143,
0.3366

■ 53.1226, 0.3093,
0.3133

Harmonies

Analogous

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



39.3641, 0.4357, 0.5157



39.3641, 0.3319, 0.5584



39.3641, 0.2286, 0.4924

Triad

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



39.3641, 0.3319, 0.5584



39.3641, 0.1317, 0.1769



39.3641, 0.4908, 0.2822

Complementary

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



39.3641, 0.3319, 0.5584



9.2637, 0.2400, 0.1198

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.



39.3641, 0.3719, 0.2195



39.3641, 0.3319, 0.5584



39.3641, 0.1722, 0.1618

Square

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



39.3641, 0.3319, 0.5584



39.3641, 0.1249, 0.2332



39.3641, 0.2527, 0.1772



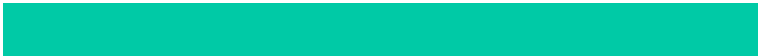
39.3641, 0.5453, 0.3546

Rectangle

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



39.3641, 0.3319, 0.5584



39.3641, 0.1745, 0.3965



39.3641, 0.2527, 0.1772



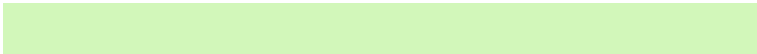
39.3641, 0.4555, 0.2598

Sweetspot

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



39.3658, 0.3319, 0.5584



83.9881, 0.3252, 0.3970



26.1818, 0.4833, 0.4354



18.1995, 0.3268, 0.4076



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.



39.3658, 0.3319, 0.5584



69.3695, 0.3228, 0.5819



37.3457, 0.2968, 0.5672



10.8303, 0.3175, 0.3523



25.5467, 0.3248, 0.5803



1.0389, 0.3446, 0.5646

Inverse Universe

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



9.2637, 0.2400, 0.1198



13.0972, 0.2218, 0.0996



15.0457, 0.3422, 0.1750



9.5013, 0.3076, 0.3059



4.9069, 0.2245, 0.1010



0.2293, 0.2476, 0.1138

Previews

White Background



This preview shows how the Yxy color 39.3641, 0.3319, 0.5584 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 39.3641, 0.3319, 0.5584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

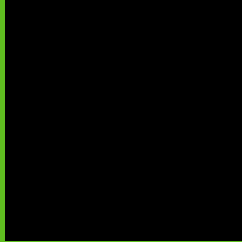
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3641, 0.3319, 0.5584

Background



This preview shows how black text looks on a background with the Yxy color 39.3641, 0.3319, 0.5584.



This preview shows how white text looks on a background with the Yxy color 39.3641, 0.3319, 0.5584.

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

39.3641, 0.3319, 0.5584

Protanopia

38.8987, 0.4358, 0.4820

Deuteranopia

38.7197, 0.4568, 0.4474



Tritanopia

39.1989, 0.2584, 0.3082

Trichromacy



Original Color

39.3641, 0.3319, 0.5584



Protanomaly

38.1031, 0.3939, 0.5131



Deuteranomaly

37.2487, 0.4071, 0.4898



Tritanomaly

38.5289, 0.2920, 0.4089

Monochromacy



Original Color

39.3641, 0.3319, 0.5584



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.9046, 0.3294, 0.4278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3641, 0.3319, 0.5584 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(95, 190, 32)` looks like.

```
.text, #text, p{  
    color:rgb(95, 190, 32)  
}
```

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(95, 190, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 190, 32) }
```

Border

The CSS property to change the border of an element to Yxy 39.3641, 0.3319, 0.5584 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(95, 190, 32) }
```

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

```
.border{ border-color:rgb(95, 190, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 190, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 190, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 190, 32);  
box-shadow:4px 4px 4px 4px rgb(95, 190,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3641, 0.3319, 0.5584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 190, 32) }
```

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

```
.background{ background-color: rgb(95, 190,  
32) }
```

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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