

Converting Colors

$Y_{xy}(43.5379, 0.3316, 0.5604)$

Have a look what the booklet for
Yxy(43.5379, 0.3316, 0.5604)
contains.

Yxy(43.6038, 0.3318, 0.5601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.6038, 0.3318, 0.5601)

Conversions

Conversions Part 1

Format	Color
Hex	63C720
RGB	99, 199, 32
RGB Percent	39%, 78%, 13%
CMY	0.6117, 0.2196, 0.8748
CMYK	0.50, 0.00, 0.84, 0.22
HSL	96°, 72%, 45%
HSV	96°, 84%, 78%
XYZ	25.8306, 43.6038, 8.4156
YIQ	150.0620, -5.9930, -73.1370

Conversions

Conversions Part 2

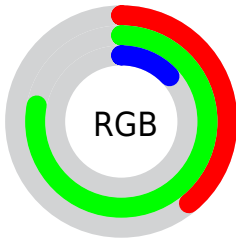
Format	Color
RYB	32, 199, 132
Decimal	6539040
CIELab	71.96, -55.28, 66.47
CIElCh	72, 86.452, 129.751
Yxy	43.6038, 0.3318, 0.5601
Android (android.graphics.Color)	4284729120 (0xFF63C720)
YUV	150.0620, -58.2046, -44.7814
Hunter-Lab	66.0332, -45.7330, 38.6670

Details

The Yxy color **43.6038, 0.3318, 0.5601** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **10.0507, 0.2383, 0.1179**, and the grayscale version is **30.7806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5973, 0.3354, 0.5145**, and **20.2225, 0.3083, 0.5934** is the 20% darker color. If you saturate the color by 10%, you get **42.9062, 0.3271, 0.5745**, and if you desaturate by 10%, it is **44.4693, 0.3347, 0.5396**.

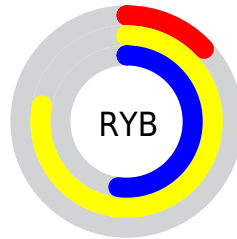
Distribution



Red (39%)

Green (78%)

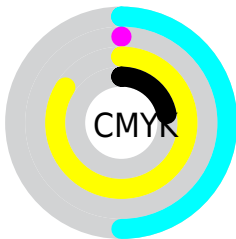
Blue (13%)



Red (13%)

Yellow (78%)

Blue (52%)

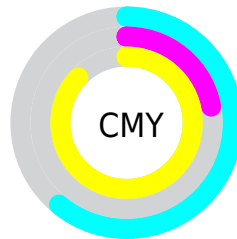


Cyan (50%)

Magenta (0%)

Yellow (84%)

Black (22%)



Cyan (61%)


Magenta (22%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6038, 0.3318, 0.5601 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 43.6038, 0.3318, 0.5601 by changing the saturation by 10% instead.


 43.6038, 0.3318,
0.5601


 43.6038, 0.3318,
0.5601


361.0890, 0.3327,
0.4380


 30.3592, 0.3270,
0.5900


 80.6212, 0.3353,
0.5155

 20.1114, 0.3180,
0.6267


 105.1628, 0.3356,
0.4987


 12.4760, 0.3029,
0.6748

 134.2388, 0.3355,
0.4845

 7.0687, 0.2720,
0.7280

 168.2336, 0.3351,
0.4724

 3.5051, 0.2163,
0.7837

 207.5317, 0.3346,
0.4620

 1.4008, 0.0000,
1.0000

 252.5173, 0.3340,

 0.2173, 0.0000,

0.4530

1.0000

303.5750, 0.3333,
0.4450

■ 0.0000, 0.0000,
0.0000

■ 43.6038, 0.3318,
0.5601

■ 43.6038, 0.3318,
0.5601

■ 42.9062, 0.3271,
0.5745

■ 44.4693, 0.3347,
0.5396

■ 42.5497, 0.3239,
0.5810

■ 45.5113, 0.3358,
0.5140

■ 46.7441, 0.3350,
0.4849

■ 48.1786, 0.3326,
0.4541

■ 49.8247, 0.3291,
0.4230

■ 51.6918, 0.3247,
0.3929

■ 53.7885, 0.3198,
0.3647

■ 56.1230, 0.3147,
0.3386

■ 58.7028, 0.3096,
0.3150

Harmonies

Analogous

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



43.6038, 0.4362, 0.5165



43.6038, 0.3318, 0.5601



43.6038, 0.2280, 0.4939

Triad

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



43.6038, 0.3318, 0.5601



43.6038, 0.1308, 0.1761



43.6038, 0.4920, 0.2818

Complementary

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



43.6038, 0.3318, 0.5601



10.0507, 0.2383, 0.1179

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.



43.6038, 0.3721, 0.2189



43.6038, 0.3318, 0.5601



43.6038, 0.1714, 0.1610

Square

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



43.6038, 0.3318, 0.5601



43.6038, 0.1240, 0.2326



43.6038, 0.2522, 0.1764



43.6038, 0.5467, 0.3543

Rectangle

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



43.6038, 0.3318, 0.5601



43.6038, 0.1737, 0.3971



43.6038, 0.2522, 0.1764



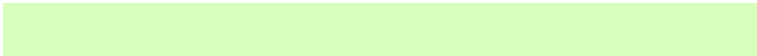
43.6038, 0.4563, 0.2593

Sweetspot

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



43.6057, 0.3318, 0.5601



90.0215, 0.3254, 0.3971



28.0491, 0.4889, 0.4324



19.0134, 0.3270, 0.4077



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6057, 0.3318, 0.5601



74.3685, 0.3230, 0.5818



41.3499, 0.2976, 0.5721



12.0922, 0.3175, 0.3525



27.4078, 0.3249, 0.5802



1.3397, 0.3419, 0.5667

Inverse Universe

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



10.0507, 0.2383, 0.1179



13.9530, 0.2211, 0.0992



16.6776, 0.3387, 0.1720



10.5960, 0.3075, 0.3058



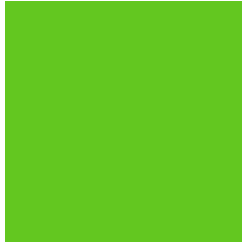
5.2294, 0.2236, 0.1006



0.2890, 0.2438, 0.1117

Previews

White Background



This preview shows how the Yxy color 43.6038, 0.3318, 0.5601 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 43.6038, 0.3318, 0.5601 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 43.6038, 0.3318, 0.5601

Background



This preview shows how black text looks on a background with the Yxy color 43.6038, 0.3318, 0.5601.



This preview shows how white text looks on a background with the Yxy color 43.6038, 0.3318, 0.5601.

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

43.6038, 0.3318, 0.5601

Protanopia

42.9912, 0.4356, 0.4836

Deuteranopia

42.7271, 0.4579, 0.4472



Tritanopia

43.2280, 0.2578, 0.3076

Trichromacy



Original Color

43.6038, 0.3318, 0.5601



Protanomaly

41.9419, 0.3933, 0.5147



Deuteranomaly

41.2527, 0.4077, 0.4907



Tritanomaly

42.4040, 0.2920, 0.4089

Monochromacy



Original Color

43.6038, 0.3318, 0.5601



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.8921, 0.3294, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6038, 0.3318, 0.5601 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(99, 199, 32)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 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(99, 199, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 32) }
```

Border

The CSS property to change the border of an element to Yxy 43.6038, 0.3318, 0.5601 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(99, 199, 32) }
```

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

```
.border{ border-color:rgb(99, 199, 32) }
```

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

Here you see how a box with a 4 pixel rgb(99, 199, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 32);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6038, 0.3318, 0.5601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 32) }
```

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

```
.background{ background-color: rgb(99, 199,  
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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