

Converting Colors

$Y_{xy}(41.5170, 0.3353, 0.5720)$

Have a look what the booklet for
Yxy(41.5170, 0.3353, 0.5720)
contains.

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Color

Yxy(41.5170, 0.3353, 0.5720)

Conversions

Conversions Part 1

Format	Color
Hex	60C300
RGB	96, 195, 0
RGB Percent	38%, 76%, 0%
CMY	0.6236, 0.2353, 1.0000
CMYK	0.51, 0.00, 1.00, 0.24
HSL	90°, 100%, 38%
HSV	90°, 100%, 76%
XYZ	24.3368, 41.5170, 6.7284
YIQ	143.1690, 3.5910, -81.6330

Conversions

Conversions Part 2

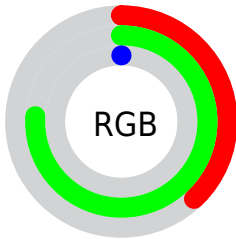
Format	Color
RYB	0, 195, 99
Decimal	6341376
CIELab	70.54, -55.50, 70.13
CIELCh	71, 89.436, 128.358
Yxy	41.5170, 0.3353, 0.5720
Android (android.graphics.Color)	4284531456 (0xFF60C300)
YUV	143.1690, -70.5823, -41.3672
Hunter-Lab	64.4337, -45.3390, 38.9123

Details

The Yxy color **41.5170, 0.3353, 0.5720** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.5948, 0.2035, 0.0895**, and the grayscale version is **27.8248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2679, 0.3397, 0.5253**, and **18.9383, 0.3059, 0.5953** is the 20% darker color. If you saturate the color by 10%, you get **41.5189, 0.3353, 0.5720**, and if you desaturate by 10%, it is **42.1389, 0.3403, 0.5609**.

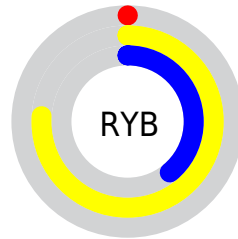
Distribution



Red (38%)

Green (76%)

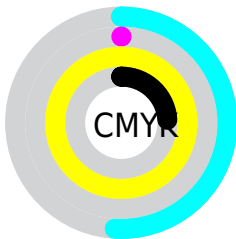
Blue (0%)



Red (0%)

Yellow (76%)

Blue (39%)

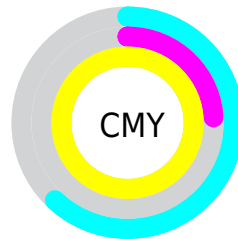


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (62%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5170, 0.3353, 0.5720 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 41.5170, 0.3353, 0.5720 by changing the saturation by 10% instead.


 41.5170, 0.3353,
0.5720

 41.5170, 0.3353,
0.5720


352.4768, 0.3360,
0.4437


 28.7233, 0.3297,
0.6028


 77.4681, 0.3394,
0.5255


 18.8716, 0.3191,
0.6400


 101.3943, 0.3397,
0.5078


 11.5775, 0.3045,
0.6955


 129.8000, 0.3395,
0.4929

 6.4567, 0.2645,
0.7355

 163.0698, 0.3390,
0.4801

 3.1247, 0.2051,
0.7949

 201.5880, 0.3383,
0.4691

 1.1972, 0.0000,
1.0000

 245.7389, 0.3376,

 0.0594, 0.0000,

0.4595

1.0000

295.9071, 0.3368,
0.4511

■ 0.0000, 0.0000,
0.0000

■ 41.5170, 0.3353,
0.5720

■ 41.5170, 0.3353,
0.5720

■ 41.5189, 0.3353,
0.5720

■ 42.1389, 0.3403,
0.5609

■ 42.8780, 0.3438,
0.5448

■ 43.7558, 0.3451,
0.5234

■ 44.7834, 0.3443,
0.4977

■ 45.9704, 0.3415,
0.4692

■ 47.3256, 0.3373,
0.4394

■ 48.8567, 0.3318,
0.4097

■ 50.5711, 0.3257,
0.3809

■ 52.4757, 0.3193,
0.3539

Harmonies

Analogous

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



41.5170, 0.4432, 0.5187



41.5170, 0.3353, 0.5720



41.5170, 0.2275, 0.5100

Triad

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



41.5170, 0.3353, 0.5720



41.5170, 0.1235, 0.1715



41.5170, 0.4961, 0.2756

Complementary

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



41.5170, 0.3353, 0.5720



6.5948, 0.2035, 0.0895

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.



41.5170, 0.3682, 0.2118



41.5170, 0.3353, 0.5720



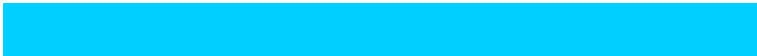
41.5170, 0.1632, 0.1549

Square

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



41.5170, 0.3353, 0.5720



41.5170, 0.1178, 0.2314



41.5170, 0.2442, 0.1695



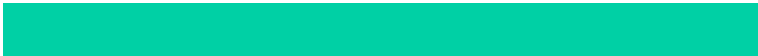
41.5170, 0.5566, 0.3492

Rectangle

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



41.5170, 0.3353, 0.5720



41.5170, 0.1704, 0.4079



41.5170, 0.2442, 0.1695



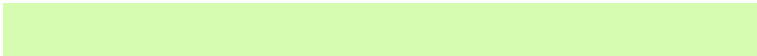
41.5170, 0.4576, 0.2527

Sweetspot

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



41.5189, 0.3353, 0.5720



87.3613, 0.3321, 0.4110



20.2458, 0.5412, 0.4084



18.8658, 0.3345, 0.4238



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.



41.5189, 0.3353, 0.5720



74.2074, 0.3342, 0.5728



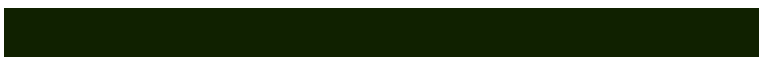
39.0334, 0.3000, 0.6000



11.4967, 0.3189, 0.3523



27.0327, 0.3363, 0.5712



1.2090, 0.3537, 0.5574

Inverse Universe

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



6.5948, 0.2035, 0.0895



11.6617, 0.2020, 0.0886



15.5435, 0.3209, 0.1542



9.9937, 0.3061, 0.3058



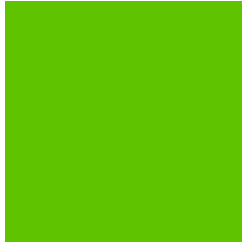
4.3361, 0.2049, 0.0902



0.2283, 0.2294, 0.1037

Previews

White Background



This preview shows how the Yxy color 41.5170, 0.3353, 0.5720 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 41.5170, 0.3353, 0.5720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

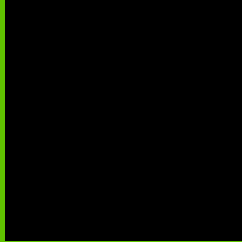
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5170, 0.3353, 0.5720

Background



This preview shows how black text looks on a background with the Yxy color 41.5170, 0.3353, 0.5720.



This preview shows how white text looks on a background with the Yxy color 41.5170, 0.3353, 0.5720.

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

41.5170, 0.3353, 0.5720

Protanopia

40.8425, 0.4399, 0.4889

Deuteranopia

40.9465, 0.4621, 0.4527



Tritanopia

41.1708, 0.2575, 0.3072

Trichromacy



Original Color

41.5170, 0.3353, 0.5720

Protanomaly

39.9116, 0.3980, 0.5222

Deuteranomaly

39.5008, 0.4124, 0.5010

Tritanomaly

40.1092, 0.2991, 0.4274

Monochromacy



Original Color

41.5170, 0.3353, 0.5720

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

31.0316, 0.3388, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5170, 0.3353, 0.5720 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(96, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 195, 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(96, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.5170, 0.3353, 0.5720 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(96, 195, 0) }
```

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

```
.border{ border-color:rgb(96, 195, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 195, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.5170, 0.3353, 0.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 195, 0) }
```

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

```
.background{ background-color: rgb(96, 195,  
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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