

Converting Colors

$Yxy(41.7411, 0.3373, 0.5681)$

Have a look what the booklet for
Yxy(41.7411, 0.3373, 0.5681)
contains.

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Color

Yxy(41.7549, 0.3375, 0.5680)

Conversions

Conversions Part 1

Format	Color
Hex	64C307
RGB	100, 195, 7
RGB Percent	39%, 76%, 3%
CMY	0.6077, 0.2353, 0.9733
CMYK	0.49, 0.00, 0.97, 0.24
HSL	90°, 93%, 40%
HSV	90°, 97%, 76%
XYZ	24.8103, 41.7549, 6.9469
YIQ	145.1630, 3.7280, -78.6080

Conversions

Conversions Part 2

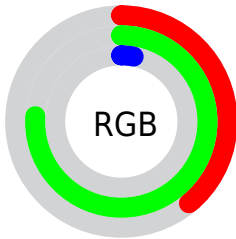
Format	Color
RYB	7, 195, 102
Decimal	6603527
CIELab	70.70, -54.17, 69.57
CIELCh	71, 88.169, 127.905
Yxy	41.7549, 0.3375, 0.5680
Android (android.graphics.Color)	4284793607 (0xFF64C307)
YUV	145.1630, -68.1144, -39.6080
Hunter-Lab	64.6180, -44.5458, 38.8585

Details

The Yxy color **41.7549, 0.3375, 0.5680** 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 **6.9005, 0.2066, 0.0927**, and the grayscale version is **28.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6009, 0.3409, 0.5225**, and **19.0632, 0.3098, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **41.5497, 0.3357, 0.5716**, and if you desaturate by 10%, it is **42.4134, 0.3422, 0.5556**.

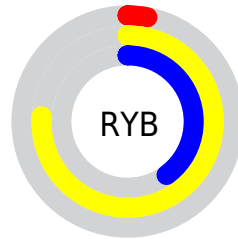
Distribution



Red (39%)

Green (76%)

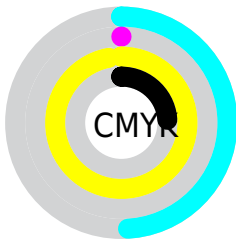
Blue (3%)



Red (3%)

Yellow (76%)

Blue (40%)

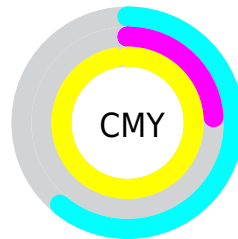


Cyan (49%)

Magenta (0%)

Yellow (97%)

Black (24%)



Cyan (61%)


Magenta (24%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7549, 0.3375, 0.5680 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 41.7549, 0.3375, 0.5680 by changing the saturation by 10% instead.


 41.7549, 0.3375,
0.5680


 41.7549, 0.3375,
0.5680


353.4659, 0.3368,
0.4421


 28.9094, 0.3324,
0.5982


 77.8285, 0.3409,
0.5223


 19.0123, 0.3226,
0.6348


 101.8255, 0.3410,
0.5050


 11.6792, 0.3087,
0.6888


 130.3084, 0.3407,
0.4903


 6.5256, 0.2707,
0.7293

 163.6616, 0.3400,
0.4778

 3.1672, 0.2128,
0.7872

 202.2696, 0.3393,
0.4670

 1.2197, 0.0000,
1.0000

 246.5167, 0.3385,

 0.0777, 0.0000,

0.4576

1.0000

296.7873, 0.3376,
0.4494

■ 0.0000, 0.0000,
0.0000

■ 41.7549, 0.3375,
0.5680

■ 41.7549, 0.3375,
0.5680

■ 41.5497, 0.3357,
0.5716

■ 42.4134, 0.3422,
0.5556

■ 43.1990, 0.3449,
0.5376

■ 44.1266, 0.3454,
0.5146

■ 45.2066, 0.3438,
0.4878

■ 46.4483, 0.3404,
0.4588

■ 47.8600, 0.3357,
0.4289

■ 49.4494, 0.3299,
0.3994

■ 51.2234, 0.3236,
0.3713

■ 53.1889, 0.3170,
0.3450

Harmonies

Analogous

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



41.7549, 0.4440, 0.5157



41.7549, 0.3375, 0.5680



41.7549, 0.2306, 0.5085

Triad

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



41.7549, 0.3375, 0.5680



41.7549, 0.1252, 0.1740



41.7549, 0.4917, 0.2755

Complementary

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



41.7549, 0.3375, 0.5680



6.9005, 0.2066, 0.0927

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.



41.7549, 0.3655, 0.2125



41.7549, 0.3375, 0.5680



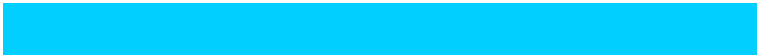
41.7549, 0.1641, 0.1569

Square

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



41.7549, 0.3375, 0.5680



41.7549, 0.1201, 0.2344



41.7549, 0.2437, 0.1709



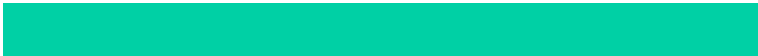
41.7549, 0.5530, 0.3486

Rectangle

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



41.7549, 0.3375, 0.5680



41.7549, 0.1736, 0.4091



41.7549, 0.2437, 0.1709



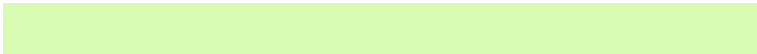
41.7549, 0.4536, 0.2529

Sweetspot

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



41.7567, 0.3375, 0.5680



87.6914, 0.3317, 0.4080



20.9066, 0.5342, 0.4108



18.9328, 0.3342, 0.4209



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.



41.7567, 0.3375, 0.5680



74.2671, 0.3347, 0.5725



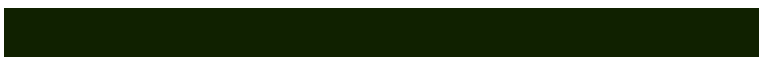
39.0898, 0.3001, 0.5974



11.4983, 0.3189, 0.3523



27.0545, 0.3367, 0.5709



1.2100, 0.3540, 0.5571

Inverse Universe

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



6.9005, 0.2066, 0.0927



11.6001, 0.2014, 0.0883



15.6904, 0.3209, 0.1552



9.9921, 0.3061, 0.3058



4.3136, 0.2043, 0.0899



0.2273, 0.2289, 0.1035

Previews

White Background



This preview shows how the Yxy color 41.7549, 0.3375, 0.5680 looks on a white background.

Color Contrast Check

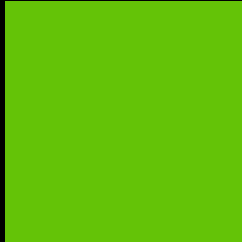
Large Text (above 18pt) WCAG AA × Fail

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 41.7549, 0.3375, 0.5680 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 41.7549, 0.3375, 0.5680

Background



This preview shows how black text looks on a background with the Yxy color 41.7549, 0.3375, 0.5680.



This preview shows how white text looks on a background with the Yxy color 41.7549, 0.3375, 0.5680.

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

41.7549, 0.3375, 0.5680

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

40.9465, 0.4621, 0.4527



Tritanopia

41.3932, 0.2594, 0.3073

Trichromacy



Original Color

41.7549, 0.3375, 0.5680



Protanomaly

40.1205, 0.3997, 0.5202



Deuteranomaly

39.7425, 0.4136, 0.4982



Tritanomaly

40.3631, 0.3000, 0.4235

Monochromacy



Original Color

41.7549, 0.3375, 0.5680



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.6877, 0.3384, 0.4428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7549, 0.3375, 0.5680 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(100, 195, 7)` looks like.

```
.text, #text, p{  
    color:rgb(100, 195, 7)  
}
```

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(100, 195, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 195, 7) }
```

Border

The CSS property to change the border of an element to Yxy 41.7549, 0.3375, 0.5680 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(100, 195, 7) }
```

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

```
.border{ border-color:rgb(100, 195, 7) }
```

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

Here you see how a box with a 4 pixel rgb(100, 195, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 195, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 195, 7);  
box-shadow:4px 4px 4px 4px rgb(100, 195,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7549, 0.3375, 0.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 195, 7) }
```

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

```
.background{ background-color: rgb(100,  
195, 7) }
```

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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