

Converting Colors

Yxy(41.4552, 0.3285, 0.5764)

Have a look what the booklet for
Yxy(41.4552, 0.3285, 0.5764)
contains.

Yxy(41.5127, 0.3288, 0.5762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5127, 0.3288, 0.5762)

Conversions

Conversions Part 1

Format	Color
Hex	57C403
RGB	87, 196, 3
RGB Percent	34%, 77%, 1%
CMY	0.6587, 0.2314, 0.9890
CMYK	0.56, 0.00, 0.99, 0.23
HSL	94°, 97%, 39%
HSV	94°, 99%, 77%
XYZ	23.6886, 41.5127, 6.8443
YIQ	141.4070, -3.0110, -83.1310

Conversions

Conversions Part 2

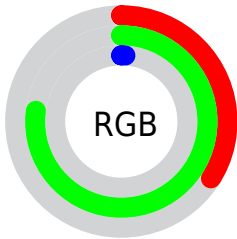
Format	Color
RYB	3, 196, 112
Decimal	5751811
CIELab	70.53, -58.33, 69.67
CIELCh	71, 90.869, 129.937
Yxy	41.5127, 0.3288, 0.5762
Android (android.graphics.Color)	4283941891 (0xFF57C403)
YUV	141.4070, -68.2347, -47.7149
Hunter-Lab	64.4303, -47.1254, 38.8030

Details

The Yxy color **41.5127, 0.3288, 0.5762** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **7.4765, 0.2164, 0.0972**, and the grayscale version is **27.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7736, 0.3340, 0.5286**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.4328, 0.3281, 0.5777**, and if you desaturate by 10%, it is **42.1416, 0.3339, 0.5643**.

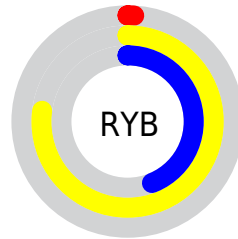
Distribution



Red (34%)

Green (77%)

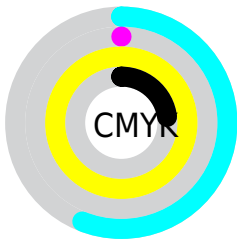
Blue (1%)



Red (1%)

Yellow (77%)

Blue (44%)

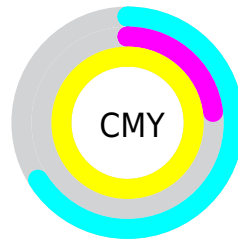


Cyan (56%)

Magenta (0%)

Yellow (99%)

Black (23%)



Cyan (66%)


Magenta (23%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5127, 0.3288, 0.5762 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 41.5127, 0.3288, 0.5762 by changing the saturation by 10% instead.


 41.5127, 0.3288,
0.5762


 41.5127, 0.3288,
0.5762


352.4589, 0.3329,
0.4450


 28.7199, 0.3224,
0.6080


 77.4616, 0.3341,
0.5284


 18.8690, 0.3107,
0.6467


 101.3865, 0.3349,
0.5103

 11.5757, 0.2946,
0.7045


 129.7908, 0.3351,
0.4950

 6.4555, 0.2532,
0.7468

 163.0591, 0.3349,
0.4820

 3.1240, 0.1908,
0.8092

 201.5756, 0.3346,
0.4707

 1.1968, 0.0000,
1.0000

 245.7249, 0.3341,

 0.0591, 0.0000,

0.4610

1.0000

295.8911, 0.3335,
0.4525

■ 0.0000, 0.0000,
0.0000

■ 41.5127, 0.3288,
0.5762

■ 41.5127, 0.3288,
0.5762

■ 41.4328, 0.3281,
0.5777

■ 42.1416, 0.3339,
0.5643

■ 42.9081, 0.3375,
0.5468

■ 43.8314, 0.3391,
0.5239

■ 44.9234, 0.3387,
0.4967

■ 46.1946, 0.3366,
0.4670

■ 47.6544, 0.3330,
0.4364

■ 49.3115, 0.3284,
0.4061

■ 51.1740, 0.3231,
0.3772

■ 53.2493, 0.3176,
0.3503

Harmonies

Analogous

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



41.5127, 0.4385, 0.5249



41.5127, 0.3288, 0.5762



41.5127, 0.2207, 0.5064

Triad

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



41.5127, 0.3288, 0.5762



41.5127, 0.1227, 0.1677



41.5127, 0.5044, 0.2784

Complementary

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



41.5127, 0.3288, 0.5762



7.4765, 0.2164, 0.0972

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.



41.5127, 0.3763, 0.2133



41.5127, 0.3288, 0.5762



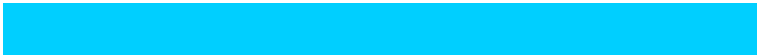
41.5127, 0.1646, 0.1530

Square

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



41.5127, 0.3288, 0.5762



41.5127, 0.1151, 0.2251



41.5127, 0.2488, 0.1693



41.5127, 0.5605, 0.3528

Rectangle

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



41.5127, 0.3288, 0.5762



41.5127, 0.1647, 0.4003



41.5127, 0.2488, 0.1693



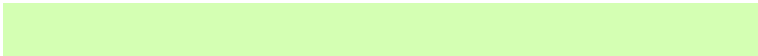
41.5127, 0.4665, 0.2552

Sweetspot

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



41.5145, 0.3288, 0.5762



88.7296, 0.3293, 0.4118



22.6933, 0.5240, 0.4209



18.7135, 0.3313, 0.4248



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.



41.5145, 0.3288, 0.5762



74.9109, 0.3270, 0.5786



39.5261, 0.2992, 0.5960



11.4688, 0.3180, 0.3523



26.6712, 0.3291, 0.5769



1.1931, 0.3471, 0.5626

Inverse Universe

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



7.4765, 0.2164, 0.0972



13.1335, 0.2135, 0.0950



15.3566, 0.3337, 0.1617



10.0219, 0.3070, 0.3058



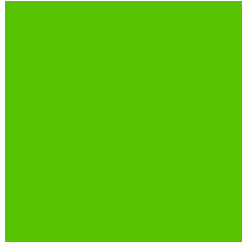
4.7652, 0.2163, 0.0965



0.2461, 0.2392, 0.1092

Previews

White Background



This preview shows how the Yxy color 41.5127, 0.3288, 0.5762 looks on a white background.

Color Contrast Check

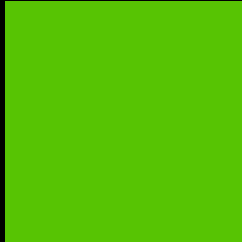
Large Text (above 18pt) WCAG AA × Fail

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 41.5127, 0.3288, 0.5762 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 41.5127, 0.3288, 0.5762

Background



This preview shows how black text looks on a background with the Yxy color 41.5127, 0.3288, 0.5762.



This preview shows how white text looks on a background with the Yxy color 41.5127, 0.3288, 0.5762.

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

41.5127, 0.3288, 0.5762

Protanopia

40.8425, 0.4399, 0.4889

Deuteranopia

40.9534, 0.4617, 0.4522



Tritanopia

41.2001, 0.2534, 0.3070

Trichromacy



Original Color

41.5127, 0.3288, 0.5762



Protanomaly

39.9200, 0.3932, 0.5257



Deuteranomaly

39.1741, 0.4089, 0.5024



Tritanomaly

40.0503, 0.2928, 0.4286

Monochromacy



Original Color

41.5127, 0.3288, 0.5762



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.3100, 0.3342, 0.4498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5127, 0.3288, 0.5762 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(87, 196, 3)` looks like.

```
.text, #text, p{  
    color:rgb(87, 196, 3)  
}
```

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(87, 196, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 196, 3) }
```

Border

The CSS property to change the border of an element to Yxy 41.5127, 0.3288, 0.5762 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(87, 196, 3) }
```

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

```
.border{ border-color:rgb(87, 196, 3) }
```

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

Here you see how a box with a 4 pixel rgb(87, 196, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 196, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 196, 3);  
box-shadow:4px 4px 4px 4px rgb(87, 196, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.5127, 0.3288, 0.5762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 196, 3) }
```

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

```
.background{ background-color: rgb(87, 196,  
3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor