

Converting Colors

Yxy(45.6333, 0.3012, 0.4867)

Have a look what the booklet for
Yxy(45.6333, 0.3012, 0.4867)
contains.

Yxy(45.6333, 0.3012, 0.4867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6333, 0.3012, 0.4867)

Conversions

Conversions Part 1

Format	Color
Hex	5FCA66
RGB	95, 202, 102
RGB Percent	37%, 79%, 40%
CMY	0.6273, 0.2078, 0.6000
CMYK	0.53, 0.00, 0.50, 0.21
HSL	124°, 50%, 58%
HSV	124°, 53%, 79%
XYZ	28.2407, 45.6333, 19.8866
YIQ	158.6070, -31.6720, -53.7840

Conversions

Conversions Part 2

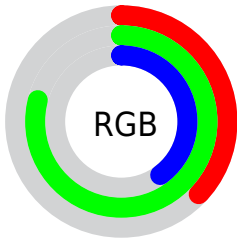
Format	Color
RYB	95, 195, 202
Decimal	6277734
CIELab	73.31, -51.30, 40.50
CIELCh	73, 65.363, 141.708
Yxy	45.6333, 0.3012, 0.4867
Android (android.graphics.Color)	4284467814 (0xFF5FCA66)
YUV	158.6070, -27.9073, -55.7833
Hunter-Lab	67.5524, -43.5937, 29.8324

Details

The Yxy color **45.6333, 0.3012, 0.4867** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **24.6908, 0.3263, 0.2103**, and the grayscale version is **34.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6589, 0.3059, 0.4502**, and **21.3622, 0.2908, 0.5386** is the 20% darker color. If you saturate the color by 10%, you get **44.3566, 0.2997, 0.5197**, and if you desaturate by 10%, it is **47.2797, 0.3032, 0.4526**.

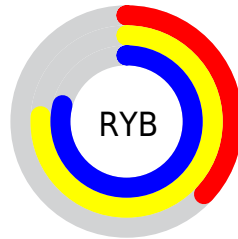
Distribution



Red (37%)

Green (79%)

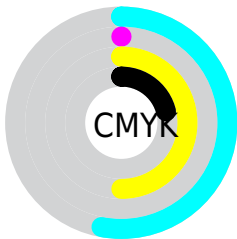
Blue (40%)



Red (37%)

Yellow (76%)

Blue (79%)

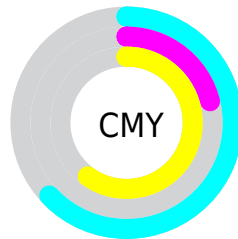


Cyan (53%)

Magenta (0%)

Yellow (50%)

Black (21%)



Cyan (63%)


Magenta (21%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6333, 0.3012, 0.4867 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 45.6333, 0.3012, 0.4867 by changing the saturation by 10% instead.


 45.6333, 0.3012,
0.4867


 45.6333, 0.3012,
0.4867


369.3324, 0.3109,
0.4019


 31.9565, 0.2973,
0.5094


 83.6699, 0.3058,
0.4547


 21.3283, 0.2912,
0.5392


 108.7986, 0.3072,
0.4430

 13.3642, 0.2814,
0.5796


 138.5134, 0.3082,
0.4333

 7.6798, 0.2641,
0.6364

 173.1986, 0.3090,
0.4250

 3.8908, 0.2436,
0.7564

213.2388, 0.3097,
0.4180

 1.6126, 0.0840,
0.9160

259.0182, 0.3102,

 0.3661, 0.0000,

0.4119

1.0000

310.9213, 0.3106,
0.4066

0.0000, 0.0000,
0.0000

45.6333, 0.3012,
0.4867

45.6333, 0.3012,
0.4867

44.3566, 0.2997,
0.5197

47.2797, 0.3032,
0.4526

43.4157, 0.2987,
0.5493

49.3151, 0.3054,
0.4195

42.7806, 0.2984,
0.5730

51.7643, 0.3077,
0.3885

42.4129, 0.2987,
0.5893

54.6485, 0.3099,
0.3605

42.2704, 0.2990,
0.5963

57.9873, 0.3121,
0.3357

■ 61.7992, 0.3141,
0.3140

■ 66.1016, 0.3160,
0.2953

■ 70.5987, 0.3165,
0.2789

■ 70.7210, 0.3151,
0.2772

Harmonies

Analogous

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



45.6333, 0.3865, 0.4940



45.6333, 0.3012, 0.4867



45.6333, 0.2236, 0.4085

Triad

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



45.6333, 0.3012, 0.4867



45.6333, 0.1765, 0.2000



45.6333, 0.4717, 0.3198

Complementary

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



45.6333, 0.3012, 0.4867



24.6908, 0.3263, 0.2103

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.



45.6333, 0.3969, 0.2621



45.6333, 0.3012, 0.4867



45.6333, 0.2240, 0.1963

Square

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



45.6333, 0.3012, 0.4867



45.6333, 0.1598, 0.2347



45.6333, 0.3022, 0.2185



45.6333, 0.4924, 0.3837

Rectangle

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



45.6333, 0.3012, 0.4867



45.6333, 0.1870, 0.3394



45.6333, 0.3022, 0.2185



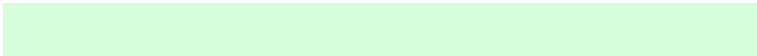
45.6333, 0.4516, 0.2995

Sweetspot

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



45.6352, 0.3012, 0.4867



90.8482, 0.3092, 0.3693



54.8914, 0.3843, 0.4574



19.2249, 0.3087, 0.3751



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.



45.6352, 0.3012, 0.4867



74.7523, 0.2994, 0.5257



47.0048, 0.2716, 0.4032



12.5486, 0.3107, 0.3514



27.2053, 0.2987, 0.5953



1.4077, 0.2944, 0.5798

Inverse Universe

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



24.6908, 0.3263, 0.2103



35.4355, 0.3296, 0.1901



22.7367, 0.3940, 0.2680



11.3907, 0.3148, 0.3076



10.4459, 0.3378, 0.1634



0.5428, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 45.6333, 0.3012, 0.4867 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 45.6333, 0.3012, 0.4867 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 45.6333, 0.3012, 0.4867

Background



This preview shows how black text looks on a background with the Yxy color 45.6333, 0.3012, 0.4867.



This preview shows how white text looks on a background with the Yxy color 45.6333, 0.3012, 0.4867.

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

45.6333, 0.3012, 0.4867

Protanopia

44.9187, 0.3990, 0.4354

Deuteranopia

44.8505, 0.4097, 0.4021



Tritanopia

45.6398, 0.2521, 0.3079

Trichromacy



Original Color

45.6333, 0.3012, 0.4867



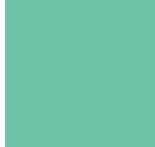
Protanomaly

43.8773, 0.3576, 0.4558



Deuteranomaly

43.2881, 0.3638, 0.4327



Tritanomaly

45.1724, 0.2701, 0.3696

Monochromacy



Original Color

45.6333, 0.3012, 0.4867



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.7292, 0.3083, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6333, 0.3012, 0.4867 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, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(95, 202, 102)  
}
```

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, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 202, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.6333, 0.3012, 0.4867 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, 202, 102) }
```

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

```
.border{ border-color:rgb(95, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(95, 202,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6333, 0.3012, 0.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 202, 102) }
```

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

```
.background{ background-color: rgb(95, 202,  
102) }
```

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