

Converting Colors

Yxy(46.9506, 0.3065, 0.4610)

Have a look what the booklet for
Yxy(46.9506, 0.3065, 0.4610)
contains.

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Color

Yxy(47.1237, 0.3065, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	73CA73
RGB	115, 202, 115
RGB Percent	45%, 79%, 45%
CMY	0.5491, 0.2078, 0.5491
CMYK	0.43, 0.00, 0.43, 0.21
HSL	120°, 45%, 62%
HSV	120°, 43%, 79%
XYZ	31.2831, 47.1237, 23.6588
YIQ	166.0690, -23.9250, -45.5010

Conversions

Conversions Part 2

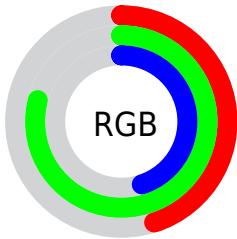
Format	Color
RYB	115, 202, 202
Decimal	7588467
CIELab	74.27, -43.87, 35.40
CIELCh	74, 56.371, 141.101
Yxy	47.1237, 0.3065, 0.4617
Android (android.graphics.Color)	4285778547 (0xFF73CA73)
YUV	166.0690, -25.1770, -44.7875
Hunter-Lab	68.6467, -38.7872, 27.6186

Details

The Yxy color **47.1237, 0.3065, 0.4617** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.0761, 0.3176, 0.2244**, and the grayscale version is **38.2999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0051, 0.3096, 0.4311**, and **22.1789, 0.3001, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **45.4882, 0.3048, 0.4974**, and if you desaturate by 10%, it is **49.1650, 0.3082, 0.4264**.

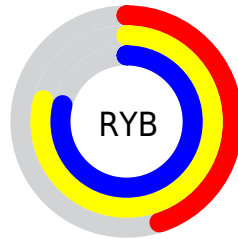
Distribution



Red (45%)

Green (79%)

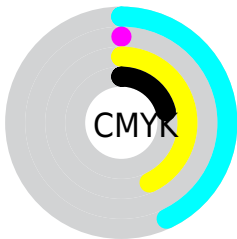
Blue (45%)



Red (45%)

Yellow (79%)

Blue (79%)

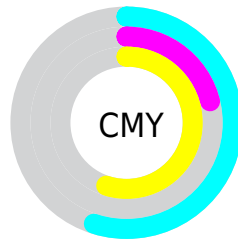


Cyan (43%)

Magenta (0%)

Yellow (43%)

Black (21%)



Cyan (55%)


Magenta (21%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1237, 0.3065, 0.4617 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 47.1237, 0.3065, 0.4617 by changing the saturation by 10% instead.


 47.1237, 0.3065,
0.4617


 47.1237, 0.3065,
0.4617


375.3081, 0.3124,
0.3912

 33.1335, 0.3040,
0.4804


 85.8982, 0.3094,
0.4352

 22.2287, 0.3001,
0.5049


 111.4513, 0.3102,
0.4255

 14.0250, 0.2937,
0.5383


 141.6275, 0.3108,
0.4174

 8.1381, 0.2824,
0.5856

176.8111, 0.3113,
0.4106

 4.1834, 0.2636,
0.6648

217.3866, 0.3117,
0.4047

 1.7767, 0.1950,
0.8050

263.7383, 0.3120,

 0.4726, 0.0000,

0.3996

1.0000

316.2507, 0.3122,
0.3952

0.0000, 0.0000,
0.0000

47.1237, 0.3065,
0.4617

47.1237, 0.3065,
0.4617

45.4882, 0.3048,
0.4974

49.1650, 0.3082,
0.4264

44.2260, 0.3032,
0.5312

51.6302, 0.3097,
0.3932

43.3094, 0.3019,
0.5602


54.5437, 0.3111,
0.3632


42.7042, 0.3009,
0.5819

57.9260, 0.3124,
0.3365

42.3692, 0.3002,
0.5949

61.7965, 0.3135,
0.3133

 42.2444, 0.3000,
0.6000

 66.1736, 0.3144,
0.2933

 70.7242, 0.3151,
0.2772

Harmonies

Analogous

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



47.1237, 0.3808, 0.4705



47.1237, 0.3065, 0.4617



47.1237, 0.2379, 0.3978

Triad

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



47.1237, 0.3065, 0.4617



47.1237, 0.1925, 0.2167



47.1237, 0.4476, 0.3219

Complementary

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



47.1237, 0.3065, 0.4617



29.0761, 0.3176, 0.2244

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.



47.1237, 0.3835, 0.2701



47.1237, 0.3065, 0.4617



47.1237, 0.2348, 0.2121

Square

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



47.1237, 0.3065, 0.4617



47.1237, 0.1782, 0.2495



47.1237, 0.3029, 0.2313



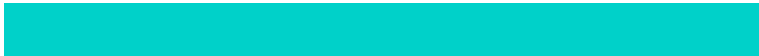
47.1237, 0.4680, 0.3792

Rectangle

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



47.1237, 0.3065, 0.4617



47.1237, 0.2046, 0.3410



47.1237, 0.3029, 0.2313



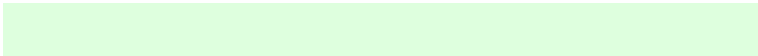
47.1237, 0.4301, 0.3037

Sweetspot

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



47.1257, 0.3065, 0.4617



92.2927, 0.3111, 0.3634



55.3614, 0.3770, 0.4327



19.5041, 0.3108, 0.3699



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.



47.1257, 0.3065, 0.4617



77.1035, 0.3049, 0.4961



48.3232, 0.2809, 0.3960



12.5371, 0.3116, 0.3529



27.1818, 0.3000, 0.6000



1.4023, 0.3000, 0.6000

Inverse Universe

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



29.0761, 0.3176, 0.2244



42.4933, 0.3186, 0.2042



27.3496, 0.3655, 0.2715



11.4037, 0.3138, 0.3062



10.8210, 0.3209, 0.1541



0.5583, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 47.1237, 0.3065, 0.4617 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 47.1237, 0.3065, 0.4617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

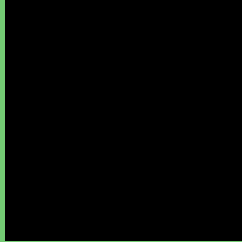
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1237, 0.3065, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 47.1237, 0.3065, 0.4617.



This preview shows how white text looks on a background with the Yxy color 47.1237, 0.3065, 0.4617.

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

47.1237, 0.3065, 0.4617

Protanopia

46.6595, 0.3894, 0.4232

Deuteranopia

46.5827, 0.3995, 0.3913



Tritanopia

46.8349, 0.2604, 0.3070

Trichromacy



Original Color

47.1237, 0.3065, 0.4617



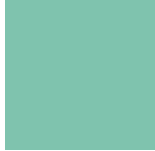
Protanomaly

45.8458, 0.3551, 0.4381



Deuteranomaly

45.4366, 0.3623, 0.4165



Tritanomaly

46.5982, 0.2770, 0.3594

Monochromacy



Original Color

47.1237, 0.3065, 0.4617



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.5498, 0.3105, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1237, 0.3065, 0.4617 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(115, 202, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 202, 115)  
}
```

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(115, 202, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 202, 115) }
```

Border

The CSS property to change the border of an element to Yxy 47.1237, 0.3065, 0.4617 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(115, 202, 115) }
```

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

```
.border{ border-color:rgb(115, 202, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 202, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 202, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 202, 115);  
box-shadow:4px 4px 4px 4px rgb(115, 202,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1237, 0.3065, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 202, 115) }
```

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

```
.background{ background-color: rgb(115,  
202, 115) }
```

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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