

Converting Colors

Yxy(47.5931, 0.3061, 0.4735)

Have a look what the booklet for
Yxy(47.5931, 0.3061, 0.4735)
contains.

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Color

Yxy(47.6049, 0.3065, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	6ECC6D
RGB	110, 204, 109
RGB Percent	43%, 80%, 43%
CMY	0.5687, 0.2000, 0.5724
CMYK	0.46, 0.00, 0.47, 0.20
HSL	119°, 48%, 61%
HSV	119°, 47%, 80%
XYZ	30.7825, 47.6049, 22.0449
YIQ	165.0640, -25.5290, -49.4730

Conversions

Conversions Part 2

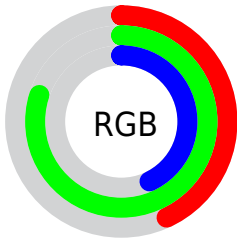
Format	Color
RYB	109, 204, 203
Decimal	7261293
CIELab	74.58, -47.04, 38.72
CIELCh	75, 60.931, 140.539
Yxy	47.6049, 0.3065, 0.4740
Android (android.graphics.Color)	4285451373 (0xFF6ECC6D)
YUV	165.0640, -27.6396, -48.2911
Hunter-Lab	68.9963, -41.1063, 29.3538

Details

The Yxy color **47.6049, 0.3065, 0.4740** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.0129, 0.3170, 0.2165**, and the grayscale version is **37.8028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3441, 0.3104, 0.4390**, and **22.5407, 0.2991, 0.5206** is the 20% darker color. If you saturate the color by 10%, you get **46.0662, 0.3049, 0.5093**, and if you desaturate by 10%, it is **49.5449, 0.3081, 0.4384**.

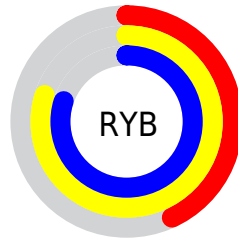
Distribution



Red (43%)

Green (80%)

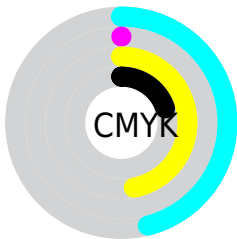
Blue (43%)



Red (43%)

Yellow (80%)

Blue (80%)

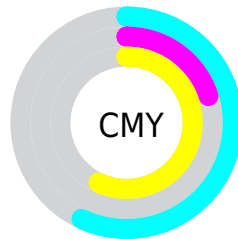


Cyan (46%)

Magenta (0%)

Yellow (47%)

Black (20%)



Cyan (57%)


Magenta (20%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6049, 0.3065, 0.4740 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 47.6049, 0.3065, 0.4740 by changing the saturation by 10% instead.


 47.6049, 0.3065,
0.4740


 47.6049, 0.3065,
0.4740


377.2239, 0.3129,
0.3969


 33.5141, 0.3036,
0.4944


 86.6158, 0.3097,
0.4451


 22.5206, 0.2992,
0.5210


 112.3048, 0.3107,
0.4345

 14.2399, 0.2918,
0.5571


 142.6286, 0.3113,
0.4256

 8.2877, 0.2786,
0.6077

 177.9716, 0.3118,
0.4181

 4.2796, 0.2595,
0.6989

218.7182, 0.3122,
0.4117

 1.8312, 0.1738,
0.8262

265.2529, 0.3125,

 0.5065, 0.0000,

0.4061

1.0000

317.9600, 0.3127,
0.4012

■ 0.0000, 0.0000,
0.0000

■ 47.6049, 0.3065,
0.4740

■ 47.6049, 0.3065,
0.4740

■ 46.0662, 0.3049,
0.5093

■ 49.5449, 0.3081,
0.4384

■ 44.8952, 0.3033,
0.5417

■ 51.9051, 0.3096,
0.4044

■ 44.0630, 0.3020,
0.5684

■ 54.7103, 0.3109,
0.3732


■ 43.5336, 0.3009,
0.5872

■ 57.9817, 0.3120,
0.3454


■ 43.2621, 0.3003,
0.5974

■ 61.7392, 0.3130,
0.3210

 43.2017, 0.3002,
0.5999

 66.0015, 0.3139,
0.2998

 70.7863, 0.3146,
0.2817

 71.6688, 0.3151,
0.2792

Harmonies

Analogous

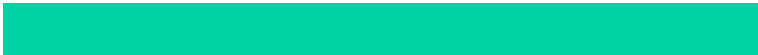
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6049, 0.3857, 0.4805



47.6049, 0.3065, 0.4740



47.6049, 0.2332, 0.4052

Triad

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



47.6049, 0.3065, 0.4740



47.6049, 0.1843, 0.2096



47.6049, 0.4570, 0.3194

Complementary

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



47.6049, 0.3065, 0.4740



28.0129, 0.3170, 0.2165

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.



47.6049, 0.3871, 0.2651



47.6049, 0.3065, 0.4740



47.6049, 0.2282, 0.2046

Square

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



47.6049, 0.3065, 0.4740



47.6049, 0.1697, 0.2443



47.6049, 0.3002, 0.2245



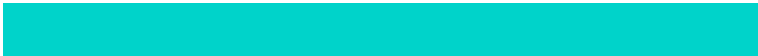
47.6049, 0.4793, 0.3797

Rectangle

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



47.6049, 0.3065, 0.4740



47.6049, 0.1978, 0.3430



47.6049, 0.3002, 0.2245



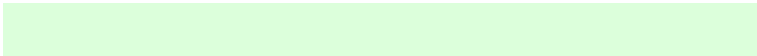
47.6049, 0.4379, 0.3003

Sweetspot

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



47.6069, 0.3065, 0.4740



91.8114, 0.3112, 0.3663



56.3834, 0.3818, 0.4403



19.4117, 0.3109, 0.3727



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.



47.6069, 0.3065, 0.4740



76.2449, 0.3048, 0.5099



48.8071, 0.2789, 0.4025



12.5421, 0.3117, 0.3529



27.1921, 0.3002, 0.5998



1.4047, 0.3011, 0.5992

Inverse Universe

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



28.0129, 0.3170, 0.2165



39.8480, 0.3177, 0.1960



26.2564, 0.3717, 0.2670



11.3979, 0.3136, 0.3062



10.6499, 0.3185, 0.1528



0.5513, 0.3190, 0.1531

Previews

White Background



This preview shows how the Yxy color 47.6049, 0.3065, 0.4740 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 47.6049, 0.3065, 0.4740 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 47.6049, 0.3065, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 47.6049, 0.3065, 0.4740.



This preview shows how white text looks on a background with the Yxy color 47.6049, 0.3065, 0.4740.

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

47.6049, 0.3065, 0.4740

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

46.7487, 0.4066, 0.3976



Tritanopia

47.4398, 0.2578, 0.3084

Trichromacy



Original Color

47.6049, 0.3065, 0.4740



Protanomaly

46.0419, 0.3580, 0.4473



Deuteranomaly

45.5935, 0.3655, 0.4257



Tritanomaly

47.1220, 0.2759, 0.3654

Monochromacy



Original Color

47.6049, 0.3065, 0.4740



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.3043, 0.3103, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6049, 0.3065, 0.4740 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(110, 204, 109)` looks like.

```
.text, #text, p{  
    color:rgb(110, 204, 109)  
}
```

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(110, 204, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 204, 109) }
```

Border

The CSS property to change the border of an element to Yxy 47.6049, 0.3065, 0.4740 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(110, 204, 109) }
```

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

```
.border{ border-color:rgb(110, 204, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 204, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 204, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 204, 109);  
box-shadow:4px 4px 4px 4px rgb(110, 204,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6049, 0.3065, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 204, 109) }
```

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

```
.background{ background-color: rgb(110,  
204, 109) }
```

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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