

Converting Colors

$Yxy(50.3987, 0.3035, 0.4662)$

Have a look what the booklet for
Yxy(50.3987, 0.3035, 0.4662)
contains.

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Color

Yxy(50.3960, 0.3038, 0.4664)

Conversions

Conversions Part 1

Format	Color
Hex	71D175
RGB	113, 209, 117
RGB Percent	44%, 82%, 46%
CMY	0.5567, 0.1804, 0.5411
CMYK	0.46, 0.00, 0.44, 0.18
HSL	122°, 51%, 63%
HSV	122°, 46%, 82%
XYZ	32.8266, 50.3960, 24.8306
YIQ	169.8080, -27.6840, -48.9640

Conversions

Conversions Part 2

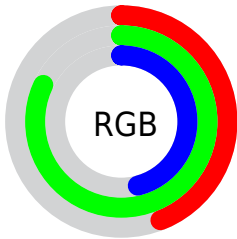
Format	Color
RYB	113, 205, 209
Decimal	7459189
CIELab	76.31, -47.09, 36.97
CIElCh	76, 59.867, 141.867
Yxy	50.3960, 0.3038, 0.4664
Android (android.graphics.Color)	4285649269 (0xFF71D175)
YUV	169.8080, -26.0343, -49.8206
Hunter-Lab	70.9901, -41.6926, 28.9549

Details

The Yxy color **50.3960, 0.3038, 0.4664** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7853, 0.3220, 0.2218**, and the grayscale version is **40.2473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9683, 0.3080, 0.4289**, and **24.3287, 0.2963, 0.5097** is the 20% darker color. If you saturate the color by 10%, you get **48.7451, 0.3020, 0.5010**, and if you desaturate by 10%, it is **52.4712, 0.3058, 0.4320**.

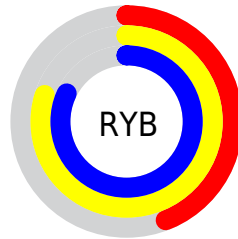
Distribution



Red (44%)

Green (82%)

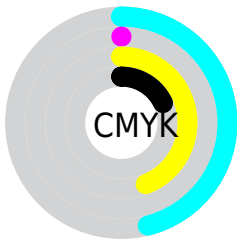
Blue (46%)



Red (44%)

Yellow (80%)

Blue (82%)

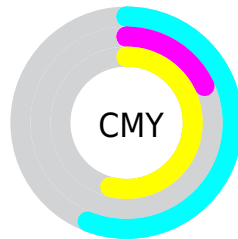


Cyan (46%)

Magenta (0%)

Yellow (44%)

Black (18%)



Cyan (56%)


Magenta (18%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3960, 0.3038, 0.4664 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 50.3960, 0.3038, 0.4664 by changing the saturation by 10% instead.


 50.3960, 0.3038,
0.4664


 50.3960, 0.3038,
0.4664


388.2125, 0.3112,
0.3941

 35.7281, 0.3009,
0.4853


 90.7613, 0.3072,
0.4394

 24.2243, 0.2966,
0.5101


 117.2276, 0.3083,
0.4294

 15.5001, 0.2897,
0.5434


 148.3955, 0.3091,
0.4211

 9.1711, 0.2778,
0.5902

184.6493, 0.3097,
0.4141

 4.8530, 0.2571,
0.6627

226.3736, 0.3102,
0.4080

 2.1612, 0.2078,
0.7922

273.9526, 0.3106,

 0.6987, 0.0000,

0.4027

1.0000

327.7708, 0.3109,
0.3981

0.0000, 0.0000,
0.0000

50.3960, 0.3038,
0.4664

50.3960, 0.3038,
0.4664

48.7451, 0.3020,
0.5010

52.4712, 0.3058,
0.4320

47.4835, 0.3006,
0.5335

54.9903, 0.3078,
0.3994

46.5810, 0.2997,
0.5613


57.9794, 0.3098,
0.3696


46.0000, 0.2993,
0.5821

61.4607, 0.3117,
0.3431

45.6946, 0.2994,
0.5947

65.4550, 0.3134,
0.3199

 45.6184, 0.2994,
0.5978

 69.9819, 0.3150,
0.2998

 74.0795, 0.3148,
0.2841

Harmonies

Analogous

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



50.3960, 0.3807, 0.4762



50.3960, 0.3038, 0.4664



50.3960, 0.2334, 0.3984

Triad

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



50.3960, 0.3038, 0.4664



50.3960, 0.1894, 0.2125



50.3960, 0.4539, 0.3227

Complementary

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



50.3960, 0.3038, 0.4664



29.7853, 0.3220, 0.2218

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.



50.3960, 0.3882, 0.2693



50.3960, 0.3038, 0.4664



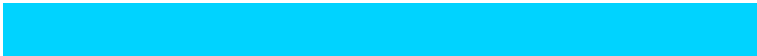
50.3960, 0.2336, 0.2086

Square

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



50.3960, 0.3038, 0.4664



50.3960, 0.1739, 0.2452



50.3960, 0.3044, 0.2290



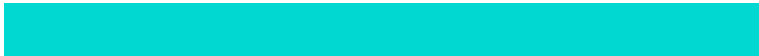
50.3960, 0.4734, 0.3816

Rectangle

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



50.3960, 0.3038, 0.4664



50.3960, 0.1997, 0.3389



50.3960, 0.3044, 0.2290



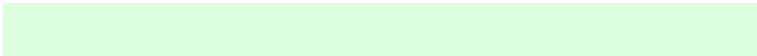
50.3960, 0.4362, 0.3039

Sweetspot

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



50.3981, 0.3038, 0.4664



91.8351, 0.3101, 0.3647



59.8858, 0.3775, 0.4417



19.4174, 0.3097, 0.3708



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.



50.3981, 0.3038, 0.4664



76.5173, 0.3021, 0.5001



51.8017, 0.2764, 0.3941



13.2141, 0.3110, 0.3520



28.1314, 0.2992, 0.5971



1.5758, 0.2966, 0.5876

Inverse Universe

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



29.7853, 0.3220, 0.2218



40.3168, 0.3240, 0.2026



27.8386, 0.3768, 0.2734



12.0003, 0.3144, 0.3070



10.9431, 0.3315, 0.1600



0.6146, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 50.3960, 0.3038, 0.4664 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 50.3960, 0.3038, 0.4664 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 50.3960, 0.3038, 0.4664

Background



This preview shows how black text looks on a background with the Yxy color 50.3960, 0.3038, 0.4664.



This preview shows how white text looks on a background with the Yxy color 50.3960, 0.3038, 0.4664.

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

50.3960, 0.3038, 0.4664

Protanopia

49.6239, 0.3908, 0.4242

Deuteranopia

49.5427, 0.4007, 0.3932



Tritanopia

50.2298, 0.2572, 0.3075

Trichromacy



Original Color

50.3960, 0.3038, 0.4664



Protanomaly

48.9707, 0.3550, 0.4407



Deuteranomaly

48.3977, 0.3612, 0.4199



Tritanomaly

49.9314, 0.2742, 0.3616

Monochromacy



Original Color

50.3960, 0.3038, 0.4664



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.9049, 0.3088, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3960, 0.3038, 0.4664 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(113, 209, 117)` looks like.

```
.text, #text, p{  
    color:rgb(113, 209, 117)  
}
```

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(113, 209, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 209, 117) }
```

Border

The CSS property to change the border of an element to Yxy 50.3960, 0.3038, 0.4664 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(113, 209, 117) }
```

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

```
.border{ border-color:rgb(113, 209, 117) }
```

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

Here you see how a box with a 4 pixel rgb(113, 209, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 209, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 209, 117);  
box-shadow:4px 4px 4px 4px rgb(113, 209,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3960, 0.3038, 0.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 209, 117) }
```

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

```
.background{ background-color: rgb(113,  
209, 117) }
```

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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