

Converting Colors

$Yxy(42.0047, 0.3064, 0.4655)$

Have a look what the booklet for
Yxy(42.0047, 0.3064, 0.4655)
contains.

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Color

Yxy(41.8866, 0.3063, 0.4654)

Conversions

Conversions Part 1

Format	Color
Hex	6BC06B
RGB	107, 192, 107
RGB Percent	42%, 75%, 42%
CMY	0.5804, 0.2470, 0.5803
CMYK	0.44, 0.00, 0.44, 0.25
HSL	120°, 40%, 59%
HSV	120°, 44%, 75%
XYZ	27.5674, 41.8866, 20.5473
YIQ	156.8950, -23.3750, -44.4550

Conversions

Conversions Part 2

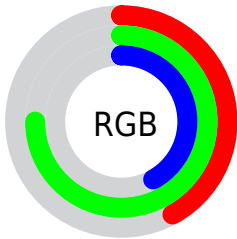
Format	Color
RYB	107, 192, 192
Decimal	7061611
CIELab	70.79, -43.14, 34.93
CIELCh	71, 55.502, 141.004
Yxy	41.8866, 0.3063, 0.4654
Android (android.graphics.Color)	4285251691 (0xFF6BC06B)
YUV	156.8950, -24.5982, -43.7579
Hunter-Lab	64.7199, -37.2278, 26.4805

Details

The Yxy color **41.8866, 0.3063, 0.4654** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.5266, 0.3178, 0.2222**, and the grayscale version is **33.7891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0760, 0.3094, 0.4366**, and **19.1762, 0.2997, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **40.4673, 0.3046, 0.5009**, and if you desaturate by 10%, it is **43.6633, 0.3080, 0.4301**.

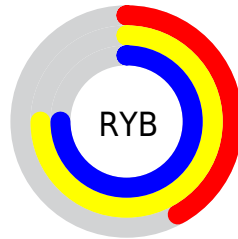
Distribution



Red (42%)

Green (75%)

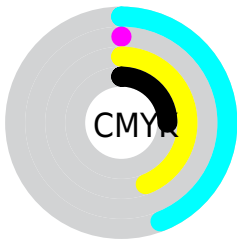
Blue (42%)



Red (42%)

Yellow (75%)

Blue (75%)

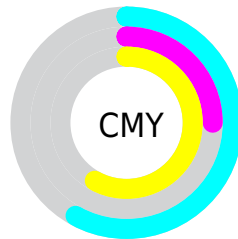


Cyan (44%)

Magenta (0%)

Yellow (44%)

Black (25%)



Cyan (58%)

Magenta (25%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8866, 0.3063, 0.4654 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 41.8866, 0.3063, 0.4654 by changing the saturation by 10% instead.


 41.8866, 0.3063,
0.4654

 41.8866, 0.3063,
0.4654


354.0126, 0.3125,
0.3916

 29.0125, 0.3035,
0.4855


 78.0280, 0.3094,
0.4373


 19.0903, 0.2992,
0.5122


 102.0640, 0.3103,
0.4271

 11.7355, 0.2918,
0.5491


 130.5896, 0.3109,
0.4187

 6.5639, 0.2781,
0.6023

 163.9889, 0.3114,
0.4115

 3.1909, 0.2644,
0.7210

202.6465, 0.3118,
0.4054

 1.2322, 0.0628,
0.9372

246.9467, 0.3121,

 0.0878, 0.0000,

0.4002

1.0000

297.2740, 0.3123,
0.3956

0.0000, 0.0000,
0.0000

41.8866, 0.3063,
0.4654

41.8866, 0.3063,
0.4654

40.4673, 0.3046,
0.5009

43.6633, 0.3080,
0.4301

39.3764, 0.3031,
0.5342

45.8137, 0.3095,
0.3968

38.5891, 0.3017,
0.5625


48.3593, 0.3110,
0.3664


38.0747, 0.3008,
0.5834


51.3186, 0.3122,
0.3395

37.7961, 0.3002,
0.5956

54.7087, 0.3133,
0.3159

 37.7009, 0.3000,
0.6000

 58.5460, 0.3143,
0.2956

 62.8458, 0.3151,
0.2781

 66.1807, 0.3156,
0.2673

Harmonies

Analogous

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



41.8866, 0.3822, 0.4737



41.8866, 0.3063, 0.4654



41.8866, 0.2363, 0.3998

Triad

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



41.8866, 0.3063, 0.4654



41.8866, 0.1900, 0.2144



41.8866, 0.4507, 0.3213

Complementary

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



41.8866, 0.3063, 0.4654



25.5266, 0.3178, 0.2222

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.



41.8866, 0.3849, 0.2687



41.8866, 0.3063, 0.4654



41.8866, 0.2329, 0.2098

Square

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



41.8866, 0.3063, 0.4654



41.8866, 0.1755, 0.2478



41.8866, 0.3023, 0.2293



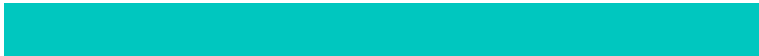
41.8866, 0.4715, 0.3795

Rectangle

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



41.8866, 0.3063, 0.4654



41.8866, 0.2023, 0.3413



41.8866, 0.3023, 0.2293



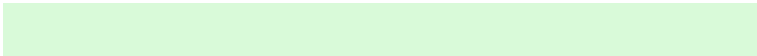
41.8866, 0.4327, 0.3028

Sweetspot

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



41.8884, 0.3063, 0.4654



88.1559, 0.3111, 0.3634



49.9691, 0.3777, 0.4365



18.6745, 0.3108, 0.3698



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8884, 0.3063, 0.4654



73.4184, 0.3047, 0.4994



43.0123, 0.2794, 0.3956



11.2589, 0.3116, 0.3528



25.3677, 0.3000, 0.6000



1.0961, 0.3000, 0.5999

Inverse Universe

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



25.5266, 0.3178, 0.2222



40.0274, 0.3187, 0.2024



23.9077, 0.3692, 0.2719



10.2475, 0.3138, 0.3063



10.1000, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.8866, 0.3063, 0.4654 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 41.8866, 0.3063, 0.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

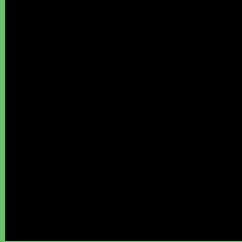
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8866, 0.3063, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 41.8866, 0.3063, 0.4654.



This preview shows how white text looks on a background with the Yxy color 41.8866, 0.3063, 0.4654.

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

41.8866, 0.3063, 0.4654

Protanopia

41.2440, 0.3910, 0.4239

Deuteranopia

41.3906, 0.4010, 0.3931



Tritanopia

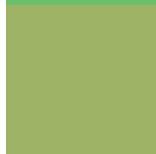
41.8014, 0.2596, 0.3087

Trichromacy



Original Color

41.8866, 0.3063, 0.4654



Protanomaly

40.5904, 0.3557, 0.4393



Deuteranomaly

40.4656, 0.3628, 0.4195



Tritanomaly

41.6497, 0.2762, 0.3626

Monochromacy



Original Color

41.8866, 0.3063, 0.4654



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.1025, 0.3104, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8866, 0.3063, 0.4654 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(107, 192, 107)` looks like.

```
.text, #text, p{  
    color:rgb(107, 192, 107)  
}
```

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(107, 192, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 192, 107) }
```

Border

The CSS property to change the border of an element to Yxy 41.8866, 0.3063, 0.4654 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(107, 192, 107) }
```

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

```
.border{ border-color:rgb(107, 192, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 192, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 192, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 192, 107);  
box-shadow:4px 4px 4px 4px rgb(107, 192,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8866, 0.3063, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 192, 107) }
```

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

```
.background{ background-color: rgb(107,  
192, 107) }
```

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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