

Converting Colors

Yxy(38.7119, 0.2863, 0.4630)

Have a look what the booklet for
Yxy(38.7119, 0.2863, 0.4630)
contains.

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Color

Yxy(38.7119, 0.2863, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	4EBC6E
RGB	78, 188, 110
RGB Percent	31%, 74%, 43%
CMY	0.6942, 0.2627, 0.5686
CMYK	0.59, 0.00, 0.41, 0.26
HSL	137°, 45%, 52%
HSV	137°, 59%, 74%
XYZ	23.9378, 38.7119, 20.9613
YIQ	146.2180, -40.5220, -47.5780

Conversions

Conversions Part 2

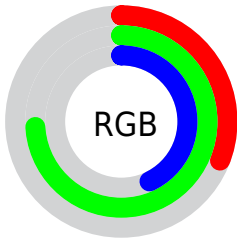
Format	Color
RYB	78, 163, 188
Decimal	5160046
CIELab	68.54, -48.65, 30.28
CIELCh	69, 57.303, 148.101
Yxy	38.7119, 0.2863, 0.4630
Android (android.graphics.Color)	4283350126 (0xFF4EBC6E)
YUV	146.2180, -17.8555, -59.8272
Hunter-Lab	62.2189, -40.2077, 23.5787

Details

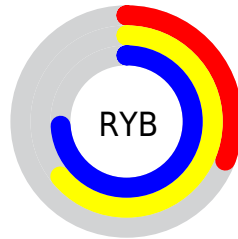
The Yxy color **38.7119, 0.2863, 0.4630** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.5372, 0.3616, 0.2275**, and the grayscale version is **28.9238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1477, 0.2933, 0.4349**, and **17.3871, 0.2753, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **37.7611, 0.2847, 0.4900**, and if you desaturate by 10%, it is **39.9365, 0.2892, 0.4361**.

Distribution



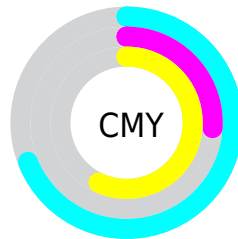
- Red (31%)
- Green (74%)
- Blue (43%)



- Red (31%)
- Yellow (64%)
- Blue (74%)



- Cyan (59%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)





- Cyan (69%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7119, 0.2863, 0.4630 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 38.7119, 0.2863, 0.4630 by changing the saturation by 10% instead.


 38.7119, 0.2863,
0.4630


 38.7119, 0.2863,
0.4630


340.6641, 0.3026,
0.3891


 26.5357, 0.2810,
0.4838


 73.1980, 0.2931,
0.4344

 17.2248, 0.2733,
0.5118


 96.2767, 0.2954,
0.4242

 10.3949, 0.2614,
0.5514


 123.7582, 0.2972,
0.4158

 5.6616, 0.2416,
0.6107

 156.0272, 0.2987,
0.4088

 2.6404, 0.2168,
0.7497

193.4678, 0.2999,
0.4027

 0.9470, 0.0000,
1.0000

236.4646, 0.3010,

 0.0000, 0.0000,

0.3976

0.0000

285.4019, 0.3019,
0.3931

■ 38.7119, 0.2863,
0.4630

■ 38.7119, 0.2863,
0.4630

■ 37.7611, 0.2847,
0.4900

■ 39.9365, 0.2892,
0.4361

■ 37.0575, 0.2847,
0.5159

■ 41.4494, 0.2931,
0.4102

■ 36.5772, 0.2862,
0.5393

■ 43.2700, 0.2978,
0.3860

■ 36.2792, 0.2890,
0.5592

■ 45.4143, 0.3029,
0.3640

■ 36.2422, 0.2894,
0.5619

■ 47.8974, 0.3082,
0.3441

■ 50.7333, 0.3135,
0.3265

■ 53.9353, 0.3187,
0.3111

■ 57.5159, 0.3237,
0.2976

■ 61.4871, 0.3285,
0.2858

Harmonies

Analogous

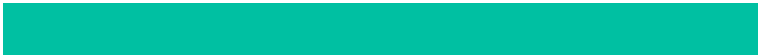
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.7119, 0.3666, 0.4859



38.7119, 0.2863, 0.4630



38.7119, 0.2175, 0.3823

Triad

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



38.7119, 0.2863, 0.4630



38.7119, 0.1918, 0.2050



38.7119, 0.4690, 0.3342

Complementary

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



38.7119, 0.2863, 0.4630



18.5372, 0.3616, 0.2275

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.



38.7119, 0.4086, 0.2774



38.7119, 0.2863, 0.4630



38.7119, 0.2435, 0.2067

Square

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



38.7119, 0.2863, 0.4630



38.7119, 0.1698, 0.2317



38.7119, 0.3217, 0.2324



38.7119, 0.4774, 0.3953

Rectangle

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



38.7119, 0.2863, 0.4630



38.7119, 0.1872, 0.3202



38.7119, 0.3217, 0.2324



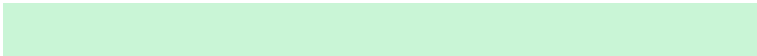
38.7119, 0.4539, 0.3145

Sweetspot

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



38.7135, 0.2863, 0.4630



82.3974, 0.3030, 0.3635



43.6699, 0.3661, 0.4810



17.4612, 0.3015, 0.3697



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.7135, 0.2863, 0.4630



68.0555, 0.2845, 0.4969



40.2741, 0.2540, 0.3674



10.6941, 0.3077, 0.3457



24.6852, 0.2888, 0.5597



0.9787, 0.2746, 0.5087

Inverse Universe

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



18.5372, 0.3616, 0.2275



28.1365, 0.3765, 0.2126



17.0931, 0.4504, 0.2978



9.6477, 0.3181, 0.3129



8.4510, 0.4100, 0.2032



0.3419, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 38.7119, 0.2863, 0.4630 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 38.7119, 0.2863, 0.4630 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 38.7119, 0.2863, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 38.7119, 0.2863, 0.4630.



This preview shows how white text looks on a background with the Yxy color 38.7119, 0.2863, 0.4630.

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

38.7119, 0.2863, 0.4630

Protanopia

38.0358, 0.3856, 0.4185

Deuteranopia

38.0864, 0.3925, 0.3843



Tritanopia

38.4577, 0.2461, 0.3062

Trichromacy



Original Color

38.7119, 0.2863, 0.4630



Protanomaly

37.2009, 0.3425, 0.4373



Deuteranomaly

36.8344, 0.3454, 0.4140



Tritanomaly

38.4274, 0.2606, 0.3595

Monochromacy



Original Color

38.7119, 0.2863, 0.4630



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.2481, 0.2995, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7119, 0.2863, 0.4630 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(78, 188, 110)` looks like.

```
.text, #text, p{  
    color:rgb(78, 188, 110)  
}
```

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(78, 188, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 188, 110) }
```

Border

The CSS property to change the border of an element to Yxy 38.7119, 0.2863, 0.4630 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(78, 188, 110) }
```

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

```
.border{ border-color:rgb(78, 188, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 188, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 188, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 188, 110);  
box-shadow:4px 4px 4px 4px rgb(78, 188,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7119, 0.2863, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 188, 110) }
```

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

```
.background{ background-color: rgb(78, 188,  
110) }
```

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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