

Converting Colors

$Yxy(48.2680, 0.3080, 0.4924)$

Have a look what the booklet for
Yxy(48.2680, 0.3080, 0.4924)
contains.

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Color

Yxy(48.4696, 0.3079, 0.4930)

Conversions

Conversions Part 1

Format	Color
Hex	68CF63
RGB	104, 207, 99
RGB Percent	41%, 81%, 39%
CMY	0.5923, 0.1882, 0.6116
CMYK	0.50, 0.00, 0.52, 0.19
HSL	117°, 53%, 60%
HSV	117°, 52%, 81%
XYZ	30.2714, 48.4696, 19.5746
YIQ	163.8910, -26.7200, -55.4240

Conversions

Conversions Part 2

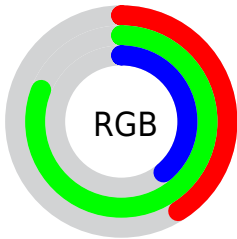
Format	Color
RYB	99, 207, 202
Decimal	6868835
CIELab	75.12, -51.30, 44.23
CIELCh	75, 67.735, 139.237
Yxy	48.4696, 0.3079, 0.4930
Android (android.graphics.Color)	4285058915 (0xFF68CF63)
YUV	163.8910, -31.9913, -52.5244
Hunter-Lab	69.6201, -44.2220, 32.0639

Details

The Yxy color **48.4696, 0.3079, 0.4930** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.0076, 0.3132, 0.2031**, and the grayscale version is **37.2318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4684, 0.3125, 0.4520**, and **23.1621, 0.2994, 0.5453** is the 20% darker color. If you saturate the color by 10%, you get **47.0785, 0.3063, 0.5268**, and if you desaturate by 10%, it is **50.2433, 0.3093, 0.4576**.

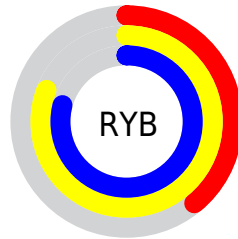
Distribution



Red (41%)

Green (81%)

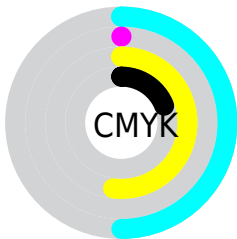
Blue (39%)



Red (39%)

Yellow (81%)

Blue (79%)

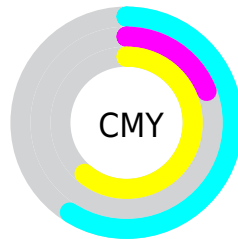


Cyan (50%)

Magenta (0%)

Yellow (52%)

Black (19%)



Cyan (59%)


Magenta (19%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4696, 0.3079, 0.4930 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 48.4696, 0.3079, 0.4930 by changing the saturation by 10% instead.


 48.4696, 0.3079,
0.4930

 48.4696, 0.3079,
0.4930

380.6505, 0.3146,
0.4059

 34.1989, 0.3046,
0.5158


 87.9032, 0.3115,
0.4604


 23.0465, 0.2993,
0.5455


 113.8349, 0.3125,
0.4484

 14.6278, 0.2904,
0.5851


 144.4224, 0.3132,
0.4384

 8.5586, 0.2744,
0.6395

 180.0500, 0.3137,
0.4299

 4.4544, 0.2543,
0.7457

221.1023, 0.3140,
0.4226

 1.9309, 0.1492,
0.8508

267.9635, 0.3143,

 0.5668, 0.0000,

0.4163

1.0000

321.0181, 0.3145,
0.4108

■ 0.0000, 0.0000,
0.0000

■ 48.4696, 0.3079,
0.4930

■ 48.4696, 0.3079,
0.4930

■ 47.0785, 0.3063,
0.5268

■ 50.2433, 0.3093,
0.4576

■ 46.0362, 0.3046,
0.5563

■ 52.4182, 0.3105,
0.4228

■ 45.3134, 0.3030,
0.5789

■ 55.0191, 0.3114,
0.3901

■ 44.8734, 0.3015,
0.5932

■ 58.0669, 0.3121,
0.3605

■ 44.6904, 0.3008,
0.5993

■ 61.5815, 0.3126,
0.3342

■ 65.5811, 0.3130,
0.3113

■ 70.0832, 0.3132,
0.2914

■ 73.1097, 0.3149,
0.2821

Harmonies

Analogous

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



48.4696, 0.3939, 0.4940



48.4696, 0.3079, 0.4930



48.4696, 0.2278, 0.4182

Triad

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



48.4696, 0.3079, 0.4930



48.4696, 0.1722, 0.1999



48.4696, 0.4697, 0.3143

Complementary

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



48.4696, 0.3079, 0.4930



26.0076, 0.3132, 0.2031

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.



48.4696, 0.3904, 0.2568



48.4696, 0.3079, 0.4930



48.4696, 0.2176, 0.1940

Square

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



48.4696, 0.3079, 0.4930



48.4696, 0.1579, 0.2378



48.4696, 0.2945, 0.2144



48.4696, 0.4956, 0.3786

Rectangle

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



48.4696, 0.3079, 0.4930



48.4696, 0.1890, 0.3480



48.4696, 0.2945, 0.2144



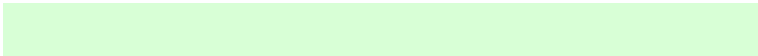
48.4696, 0.4478, 0.2940

Sweetspot

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



48.4716, 0.3079, 0.4930



90.9926, 0.3118, 0.3721



56.2266, 0.3911, 0.4486



19.2587, 0.3117, 0.3783



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.



48.4716, 0.3079, 0.4930



75.1392, 0.3061, 0.5319



49.4111, 0.2781, 0.4192



13.2315, 0.3123, 0.3530



28.1656, 0.3011, 0.5991



1.5841, 0.3046, 0.5963

Inverse Universe

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



26.0076, 0.3132, 0.2031



35.1884, 0.3127, 0.1813



24.6818, 0.3774, 0.2558



11.9805, 0.3131, 0.3060



10.3787, 0.3096, 0.1479



0.5890, 0.3118, 0.1492

Previews

White Background



This preview shows how the Yxy color 48.4696, 0.3079, 0.4930 looks on a white background.

Color Contrast Check

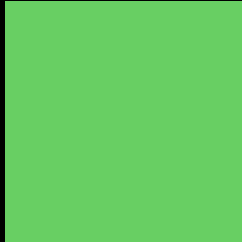
Large Text (above 18pt) WCAG AA × Fail

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 48.4696, 0.3079, 0.4930 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 48.4696, 0.3079, 0.4930

Background



This preview shows how black text looks on a background with the Yxy color 48.4696, 0.3079, 0.4930.



This preview shows how white text looks on a background with the Yxy color 48.4696, 0.3079, 0.4930.

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

48.4696, 0.3079, 0.4930

Protanopia

47.7328, 0.4035, 0.4412

Deuteranopia

47.4095, 0.4162, 0.4075



Tritanopia

48.2454, 0.2548, 0.3071

Trichromacy



Original Color

48.4696, 0.3079, 0.4930



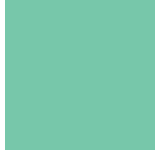
Protanomaly

46.7229, 0.3637, 0.4617



Deuteranomaly

46.2434, 0.3712, 0.4392



Tritanomaly

47.6711, 0.2750, 0.3715

Monochromacy



Original Color

48.4696, 0.3079, 0.4930



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.2867, 0.3116, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4696, 0.3079, 0.4930 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(104, 207, 99)` looks like.

```
.text, #text, p{  
    color:rgb(104, 207, 99)  
}
```

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(104, 207, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 207, 99) }
```

Border

The CSS property to change the border of an element to Yxy 48.4696, 0.3079, 0.4930 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(104, 207, 99) }
```

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

```
.border{ border-color:rgb(104, 207, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 207, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 207, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 207, 99);  
box-shadow:4px 4px 4px 4px rgb(104, 207,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4696, 0.3079, 0.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 207, 99) }
```

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

```
.background{ background-color: rgb(104,  
207, 99) }
```

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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