

Converting Colors

$Yxy(46.0476, 0.3044, 0.5089)$

Have a look what the booklet for
Yxy(46.0476, 0.3044, 0.5089)
contains.

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Color

Yxy(46.0308, 0.3043, 0.5090)

Conversions

Conversions Part 1

Format	Color
Hex	59CC59
RGB	89, 204, 89
RGB Percent	35%, 80%, 35%
CMY	0.6508, 0.2000, 0.6510
CMYK	0.56, 0.00, 0.56, 0.20
HSL	120°, 53%, 57%
HSV	120°, 56%, 80%
XYZ	27.5190, 46.0308, 16.8840
YIQ	156.5050, -31.6250, -60.1450

Conversions

Conversions Part 2

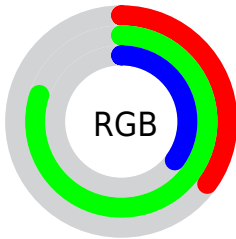
Format	Color
RYB	89, 204, 204
Decimal	5885017
CIELab	73.57, -55.28, 46.97
CIELCh	74, 72.544, 139.644
Yxy	46.0308, 0.3043, 0.5090
Android (android.graphics.Color)	4284075097 (0xFF59CC59)
YUV	156.5050, -33.2800, -59.2019
Hunter-Lab	67.8460, -46.3292, 32.7374

Details

The Yxy color **46.0308, 0.3043, 0.5090** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **24.3334, 0.3188, 0.1971**, and the grayscale version is **33.6518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7689, 0.3094, 0.4670**, and **21.6801, 0.2927, 0.5674** is the 20% darker color. If you saturate the color by 10%, you get **44.8627, 0.3028, 0.5415**, and if you desaturate by 10%, it is **47.5771, 0.3060, 0.4736**.

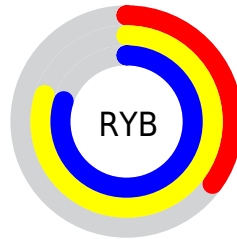
Distribution



Red (35%)

Green (80%)

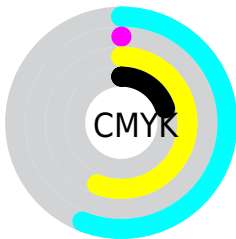
Blue (35%)



Red (35%)

Yellow (80%)

Blue (80%)

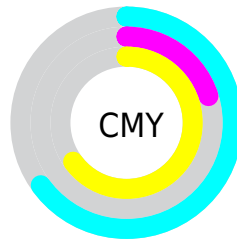


Cyan (56%)

Magenta (0%)

Yellow (56%)

Black (20%)



Cyan (65%)


Magenta (20%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0308, 0.3043, 0.5090 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 46.0308, 0.3043, 0.5090 by changing the saturation by 10% instead.


 46.0308, 0.3043,
0.5090

 46.0308, 0.3043,
0.5090


370.9325, 0.3137,
0.4123

 32.2701, 0.2999,
0.5346


 84.2651, 0.3092,
0.4726


 21.5679, 0.2929,
0.5679


 109.5075, 0.3106,
0.4592

 13.5398, 0.2812,
0.6123


 139.3459, 0.3116,
0.4481

 7.8013, 0.2607,
0.6735

 174.1648, 0.3123,
0.4387

 3.9680, 0.2269,
0.7731

214.3485, 0.3128,
0.4307

 1.6557, 0.0449,
0.9551

260.2814, 0.3132,

 0.3947, 0.0000,

0.4237

1.0000

312.3479, 0.3135,
0.4176

■ 0.0000, 0.0000,
0.0000

■ 46.0308, 0.3043,
0.5090

■ 46.0308, 0.3043,
0.5090

■ 44.8627, 0.3028,
0.5415

■ 47.5771, 0.3060,
0.4736

■ 44.0352, 0.3015,
0.5683

■ 49.5239, 0.3076,
0.4379

■ 43.5133, 0.3006,
0.5872

■ 51.8985, 0.3092,
0.4039

■ 43.2498, 0.3001,
0.5974

■ 54.7244, 0.3107,
0.3727

■ 43.1859, 0.3000,
0.6000

■ 58.0232, 0.3120,
0.3449

■ 61.8151, 0.3131,
0.3206

■ 66.1192, 0.3141,
0.2995

■ 70.9537, 0.3149,
0.2814

■ 71.6653, 0.3151,
0.2792

Harmonies

Analogous

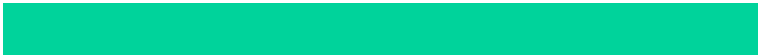
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0308, 0.3966, 0.5076



46.0308, 0.3043, 0.5090



46.0308, 0.2190, 0.4255

Triad

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



46.0308, 0.3043, 0.5090



46.0308, 0.1630, 0.1901



46.0308, 0.4843, 0.3125

Complementary

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



46.0308, 0.3043, 0.5090



24.3334, 0.3188, 0.1971

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.



46.0308, 0.3983, 0.2519



46.0308, 0.3043, 0.5090



46.0308, 0.2111, 0.1848

Square

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



46.0308, 0.3043, 0.5090



46.0308, 0.1473, 0.2288



46.0308, 0.2937, 0.2068



46.0308, 0.5101, 0.3803

Rectangle

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



46.0308, 0.3043, 0.5090



46.0308, 0.1784, 0.3471



46.0308, 0.2937, 0.2068



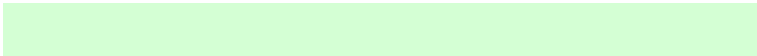
46.0308, 0.4609, 0.2912

Sweetspot

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



46.0327, 0.3043, 0.5090



90.2039, 0.3106, 0.3752



55.8381, 0.3941, 0.4600



19.0930, 0.3103, 0.3814



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.



46.0327, 0.3043, 0.5090



73.9026, 0.3024, 0.5489



47.3403, 0.2743, 0.4217



12.5372, 0.3116, 0.3529



27.1821, 0.3000, 0.6000



1.4024, 0.3000, 0.6000

Inverse Universe

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



24.3334, 0.3188, 0.1971



34.4394, 0.3198, 0.1769



22.1326, 0.3906, 0.2554



11.4035, 0.3138, 0.3062



10.8158, 0.3208, 0.1541



0.5581, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 46.0308, 0.3043, 0.5090 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 46.0308, 0.3043, 0.5090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

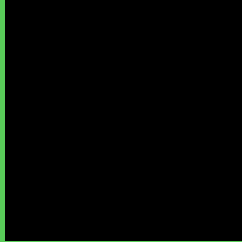
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0308, 0.3043, 0.5090

Background



This preview shows how black text looks on a background with the Yxy color 46.0308, 0.3043, 0.5090.



This preview shows how white text looks on a background with the Yxy color 46.0308, 0.3043, 0.5090.

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

46.0308, 0.3043, 0.5090

Protanopia

45.3787, 0.4091, 0.4488

Deuteranopia

45.0677, 0.4223, 0.4139



Tritanopia

45.9173, 0.2502, 0.3078

Trichromacy



Original Color

46.0308, 0.3043, 0.5090



Protanomaly

44.4062, 0.3640, 0.4741



Deuteranomaly

43.4639, 0.3721, 0.4490



Tritanomaly

45.2244, 0.2704, 0.3776

Monochromacy



Original Color

46.0308, 0.3043, 0.5090



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.8436, 0.3096, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0308, 0.3043, 0.5090 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(89, 204, 89)` looks like.

```
.text, #text, p{  
    color:rgb(89, 204, 89)  
}
```

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(89, 204, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 204, 89) }
```

Border

The CSS property to change the border of an element to Yxy 46.0308, 0.3043, 0.5090 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(89, 204, 89) }
```

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

```
.border{ border-color:rgb(89, 204, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 204, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 204, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 204, 89);  
box-shadow:4px 4px 4px 4px rgb(89, 204,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0308, 0.3043, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 204, 89) }
```

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

```
.background{ background-color: rgb(89, 204,  
89) }
```

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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