

Converting Colors

Yxy(44.8193, 0.3060, 0.4712)

Have a look what the booklet for
Yxy(44.8193, 0.3060, 0.4712)
contains.

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Color

Yxy(44.6590, 0.3061, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	6CC66C
RGB	108, 198, 108
RGB Percent	42%, 78%, 42%
CMY	0.5765, 0.2235, 0.5765
CMYK	0.45, 0.00, 0.45, 0.22
HSL	120°, 44%, 60%
HSV	120°, 45%, 78%
XYZ	29.0854, 44.6590, 21.2748
YIQ	160.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

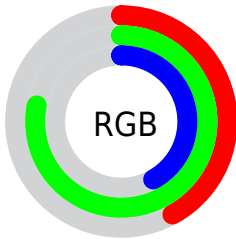
Format	Color
RYB	108, 198, 198
Decimal	7128684
CIELab	72.67, -45.25, 36.82
CIELCh	73, 58.335, 140.864
Yxy	44.6590, 0.3061, 0.4700
Android (android.graphics.Color)	4285318764 (0xFF6CC66C)
YUV	160.8300, -26.0452, -46.3319
Hunter-Lab	66.8274, -39.2592, 27.9039

Details

The Yxy color **44.6590, 0.3061, 0.4700** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.8091, 0.3179, 0.2194**, and the grayscale version is **35.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9857, 0.3092, 0.4408**, and **20.6542, 0.2990, 0.5168** is the 20% darker color. If you saturate the color by 10%, you get **43.1823, 0.3044, 0.5055**, and if you desaturate by 10%, it is **46.5170, 0.3078, 0.4345**.

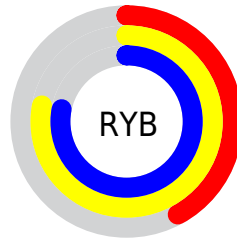
Distribution



Red (42%)

Green (78%)

Blue (42%)



Red (42%)

Yellow (78%)

Blue (78%)

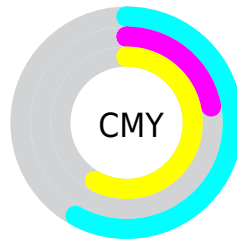


Cyan (45%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (58%)


Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6590, 0.3061, 0.4700 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 44.6590, 0.3061, 0.4700 by changing the saturation by 10% instead.

 44.6590, 0.3061,
0.4700


 44.6590, 0.3061,
0.4700


365.3907, 0.3126,
0.3944

 31.1889, 0.3033,
0.4903


 82.2085, 0.3093,
0.4414


 20.7427, 0.2988,
0.5171


 107.0566, 0.3103,
0.4310

 12.9361, 0.2913,
0.5536


 136.4663, 0.3109,
0.4223

 7.3846, 0.2777,
0.6057

 170.8219, 0.3115,
0.4150

 3.7037, 0.2606,
0.7091

210.5077, 0.3118,
0.4087

 1.5093, 0.1314,
0.8686

255.9082, 0.3121,

 0.2952, 0.0000,

0.4033

1.0000

307.4077, 0.3124,
0.3985

■ 0.0000, 0.0000,
0.0000

■ 44.6590, 0.3061,
0.4700

■ 44.6590, 0.3061,
0.4700

■ 43.1823, 0.3044,
0.5055

■ 46.5170, 0.3078,
0.4345

■ 42.0555, 0.3029,
0.5383

■ 48.7743, 0.3093,
0.4008

■ 41.2513, 0.3016,
0.5658


■ 51.4543, 0.3108,
0.3699

■ 40.7359, 0.3007,
0.5856


■ 54.5769, 0.3121,
0.3425


■ 40.4676, 0.3002,
0.5967

■ 58.1609, 0.3132,
0.3185

 40.3898, 0.3000,
0.6000

 62.2241, 0.3142,
0.2978

 66.7831, 0.3150,
0.2800

 68.8698, 0.3153,
0.2732

Harmonies

Analogous

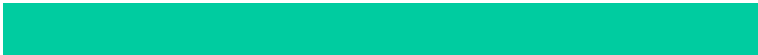
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6590, 0.3839, 0.4776



44.6590, 0.3061, 0.4700



44.6590, 0.2343, 0.4024

Triad

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



44.6590, 0.3061, 0.4700



44.6590, 0.1869, 0.2117



44.6590, 0.4544, 0.3205

Complementary

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



44.6590, 0.3061, 0.4700



26.8091, 0.3179, 0.2194

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.



44.6590, 0.3865, 0.2669



44.6590, 0.3061, 0.4700



44.6590, 0.2305, 0.2069

Square

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



44.6590, 0.3061, 0.4700



44.6590, 0.1723, 0.2456



44.6590, 0.3015, 0.2268



44.6590, 0.4758, 0.3799

Rectangle

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



44.6590, 0.3061, 0.4700



44.6590, 0.1996, 0.3419



44.6590, 0.3015, 0.2268



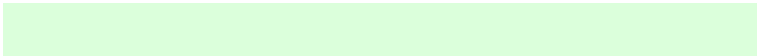
44.6590, 0.4359, 0.3016

Sweetspot

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



44.6609, 0.3061, 0.4700



91.7570, 0.3110, 0.3663



53.4788, 0.3794, 0.4393



19.3987, 0.3107, 0.3727



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.



44.6609, 0.3061, 0.4700



76.3800, 0.3044, 0.5067



45.8781, 0.2786, 0.3979



11.8879, 0.3116, 0.3529



26.2655, 0.3000, 0.6000



1.2437, 0.3000, 0.6000

Inverse Universe

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



26.8091, 0.3179, 0.2194



40.6844, 0.3188, 0.1984



25.0318, 0.3716, 0.2703



10.8166, 0.3138, 0.3062



10.4591, 0.3209, 0.1542



0.4952, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 44.6590, 0.3061, 0.4700 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 44.6590, 0.3061, 0.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

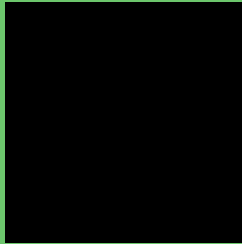
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6590, 0.3061, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 44.6590, 0.3061, 0.4700.



This preview shows how white text looks on a background with the Yxy color 44.6590, 0.3061, 0.4700.

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

44.6590, 0.3061, 0.4700

Protanopia

43.9665, 0.3939, 0.4273

Deuteranopia

43.7599, 0.4037, 0.3950



Tritanopia

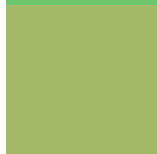
44.3169, 0.2583, 0.3078

Trichromacy



Original Color

44.6590, 0.3061, 0.4700



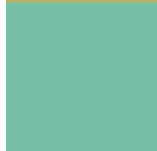
Protanomaly

43.4637, 0.3571, 0.4447



Deuteranomaly

42.9263, 0.3637, 0.4228



Tritanomaly

44.0818, 0.2757, 0.3634

Monochromacy



Original Color

44.6590, 0.3061, 0.4700



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.9759, 0.3104, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6590, 0.3061, 0.4700 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(108, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(108, 198, 108)  
}
```

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(108, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 198, 108) }
```

Border

The CSS property to change the border of an element to Yxy 44.6590, 0.3061, 0.4700 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(108, 198, 108) }
```

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

```
.border{ border-color:rgb(108, 198, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(108, 198,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6590, 0.3061, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 198, 108) }
```

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

```
.background{ background-color: rgb(108,  
198, 108) }
```

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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