

Converting Colors

$Yxy(44.6823, 0.3055, 0.4685)$

Have a look what the booklet for
Yxy(44.6823, 0.3055, 0.4685)
contains.

Yxy(44.6804, 0.3055, 0.4685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.6804, 0.3055, 0.4685)

Conversions

Conversions Part 1

Format	Color
Hex	6CC66D
RGB	108, 198, 109
RGB Percent	42%, 78%, 43%
CMY	0.5766, 0.2235, 0.5726
CMYK	0.45, 0.00, 0.45, 0.22
HSL	121°, 44%, 60%
HSV	121°, 45%, 78%
XYZ	29.1352, 44.6804, 21.5534
YIQ	160.9440, -25.0710, -46.7590

Conversions

Conversions Part 2

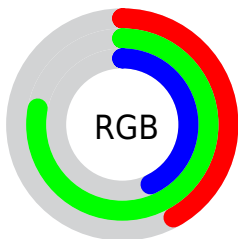
Format	Color
RYB	108, 197, 198
Decimal	7128685
CIELab	72.68, -45.12, 36.34
CIELCh	73, 57.930, 141.150
Yxy	44.6804, 0.3055, 0.4685
Android (android.graphics.Color)	4285318765 (0xFF6CC66D)
YUV	160.9440, -25.6084, -46.4319
Hunter-Lab	66.8434, -39.1726, 27.6725

Details

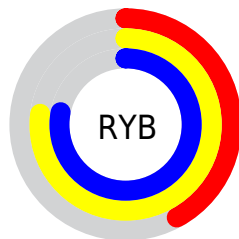
The Yxy color **44.6804, 0.3055, 0.4685** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.7558, 0.3189, 0.2204**, and the grayscale version is **35.7401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0211, 0.3087, 0.4396**, and **20.6645, 0.2984, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **43.2033, 0.3038, 0.5037**, and if you desaturate by 10%, it is **46.5370, 0.3072, 0.4333**.

Distribution



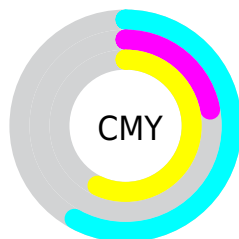
- Red (42%)
- Green (78%)
- Blue (43%)



- Red (42%)
- Yellow (77%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6804, 0.3055, 0.4685 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 44.6804, 0.3055, 0.4685 by changing the saturation by 10% instead.


 44.6804, 0.3055,
0.4685


 44.6804, 0.3055,
0.4685


365.4776, 0.3122,
0.3937


 31.2058, 0.3026,
0.4886


 82.2406, 0.3088,
0.4402


 20.7556, 0.2981,
0.5151


 107.0950, 0.3097,
0.4299

 12.9455, 0.2907,
0.5513


 136.5114, 0.3105,
0.4213

 7.3910, 0.2772,
0.6030

 170.8742, 0.3110,
0.4141

 3.7078, 0.2596,
0.7037

210.5678, 0.3114,
0.4079

 1.5115, 0.1335,
0.8665

255.9767, 0.3117,

 0.2968, 0.0000,

0.4025

1.0000

307.4852, 0.3120,
0.3978

0.0000, 0.0000,
0.0000

44.6804, 0.3055,
0.4685

44.6804, 0.3055,
0.4685

43.2033, 0.3038,
0.5037

46.5370, 0.3072,
0.4333

42.0745, 0.3023,
0.5365

48.7907, 0.3090,
0.4000

41.2670, 0.3011,
0.5642

51.4648, 0.3105,
0.3695


40.7473, 0.3003,
0.5844

54.5791, 0.3120,
0.3424


40.4745, 0.3000,
0.5961

58.1522, 0.3133,
0.3187

 40.3972, 0.2998,
0.5993

 62.2017, 0.3144,
0.2982

 66.7441, 0.3154,
0.2805

 68.8722, 0.3153,
0.2732

Harmonies

Analogous

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



44.6804, 0.3828, 0.4768



44.6804, 0.3055, 0.4685



44.6804, 0.2343, 0.4010

Triad

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



44.6804, 0.3055, 0.4685



44.6804, 0.1879, 0.2122



44.6804, 0.4539, 0.3212

Complementary

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



44.6804, 0.3055, 0.4685



26.7558, 0.3189, 0.2204

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.



44.6804, 0.3868, 0.2677



44.6804, 0.3055, 0.4685



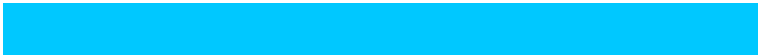
44.6804, 0.2316, 0.2077

Square

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



44.6804, 0.3055, 0.4685



44.6804, 0.1731, 0.2457



44.6804, 0.3024, 0.2277



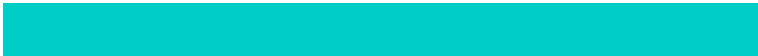
44.6804, 0.4747, 0.3803

Rectangle

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



44.6804, 0.3055, 0.4685



44.6804, 0.2000, 0.3410



44.6804, 0.3024, 0.2277



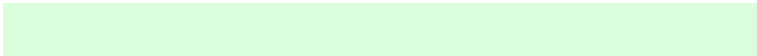
44.6804, 0.4356, 0.3024

Sweetspot

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



44.6823, 0.3055, 0.4685



91.7784, 0.3107, 0.3659



53.4812, 0.3794, 0.4393



19.4038, 0.3104, 0.3722



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.



44.6823, 0.3055, 0.4685



76.4169, 0.3037, 0.5049



45.8779, 0.2786, 0.3979



11.8898, 0.3114, 0.3526



26.2695, 0.2998, 0.5992



1.2446, 0.2989, 0.5962

Inverse Universe

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



26.7558, 0.3189, 0.2204



40.5823, 0.3203, 0.1995



25.0248, 0.3716, 0.2703



10.8145, 0.3140, 0.3065



10.3931, 0.3237, 0.1557



0.4928, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 44.6804, 0.3055, 0.4685 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 44.6804, 0.3055, 0.4685 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 44.6804, 0.3055, 0.4685

Background



This preview shows how black text looks on a background with the Yxy color 44.6804, 0.3055, 0.4685.



This preview shows how white text looks on a background with the Yxy color 44.6804, 0.3055, 0.4685.

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

44.6804, 0.3055, 0.4685

Protanopia

43.8532, 0.3921, 0.4265

Deuteranopia

43.7830, 0.4028, 0.3938



Tritanopia

44.3169, 0.2583, 0.3078

Trichromacy



Original Color

44.6804, 0.3055, 0.4685



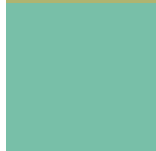
Protanomaly

43.4839, 0.3563, 0.4433



Deuteranomaly

42.9487, 0.3629, 0.4215



Tritanomaly

44.0818, 0.2757, 0.3634

Monochromacy



Original Color

44.6804, 0.3055, 0.4685



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 44.6804, 0.3055, 0.4685 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(108, 198, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 198, 109) }
```

Border

The CSS property to change the border of an element to Yxy 44.6804, 0.3055, 0.4685 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, 109) }
```

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

```
.border{ border-color:rgb(108, 198, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 198, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 198, 109);  
box-shadow:4px 4px 4px 4px rgb(108, 198,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6804, 0.3055, 0.4685 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, 109) }
```

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

```
.background{ background-color: rgb(108,  
198, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor