

Converting Colors

Yxy(46.5694, 0.3359, 0.5510)

Have a look what the booklet for
Yxy(46.5694, 0.3359, 0.5510)
contains.

Yxy(46.6608, 0.3356, 0.5510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6608, 0.3356, 0.5510)

Conversions

Conversions Part 1

Format	Color
Hex	6ECC29
RGB	110, 204, 41
RGB Percent	43%, 80%, 16%
CMY	0.5688, 0.2000, 0.8393
CMYK	0.46, 0.00, 0.80, 0.20
HSL	95°, 67%, 48%
HSV	95°, 80%, 80%
XYZ	28.4199, 46.6608, 9.6031
YIQ	157.3120, -3.7010, -70.6210

Conversions

Conversions Part 2

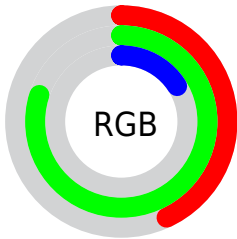
Format	Color
RYB	41, 204, 135
Decimal	7261225
CIELab	73.97, -53.46, 66.10
CIELCh	74, 85.015, 128.968
Yxy	46.6608, 0.3356, 0.5510
Android (android.graphics.Color)	4285451305 (0xFF6ECC29)
YUV	157.3120, -57.3418, -41.4926
Hunter-Lab	68.3087, -45.2752, 39.4808

Details

The Yxy color **46.6608, 0.3356, 0.5510** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **11.0962, 0.2385, 0.1221**, and the grayscale version is **34.1257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8946, 0.3396, 0.5043**, and **22.0992, 0.3165, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **45.8504, 0.3317, 0.5677**, and if you desaturate by 10%, it is **47.6492, 0.3376, 0.5286**.

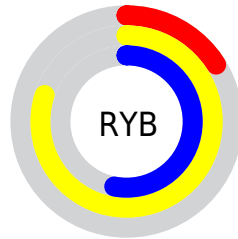
Distribution



Red (43%)

Green (80%)

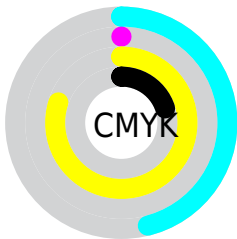
Blue (16%)



Red (16%)

Yellow (80%)

Blue (53%)

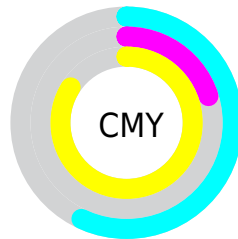


Cyan (46%)

Magenta (0%)

Yellow (80%)

Black (20%)



Cyan (57%)


Magenta (20%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6608, 0.3356, 0.5510 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 46.6608, 0.3356, 0.5510 by changing the saturation by 10% instead.


 46.6608, 0.3356,
0.5510


 46.6608, 0.3356,
0.5510


373.4590, 0.3339,
0.4352

 32.7676, 0.3320,
0.5791


 85.2071, 0.3378,
0.5090

 21.9485, 0.3247,
0.6135


 110.6289, 0.3378,
0.4931


 13.8190, 0.3113,
0.6564


 140.6625, 0.3374,
0.4796

 7.9949, 0.2877,
0.7123

 175.6921, 0.3368,
0.4681

 4.0917, 0.2377,
0.7623

 216.1021, 0.3361,
0.4582

 1.7250, 0.0873,
0.9127

 262.2770, 0.3354,

 0.4398, 0.0000,

0.4495

1.0000

314.6012, 0.3346,
0.4419

■ 0.0000, 0.0000,
0.0000

■ 46.6608, 0.3356,
0.5510

■ 46.6608, 0.3356,
0.5510

■ 45.8504, 0.3317,
0.5677

■ 47.6492, 0.3376,
0.5286

■ 45.1894, 0.3264,
0.5790

■ 48.8233, 0.3377,
0.5017

■ 45.1843, 0.3263,
0.5791

■ 50.1971, 0.3359,
0.4720

■ 51.7813, 0.3327,
0.4412

■ 53.5860, 0.3285,
0.4106

■ 55.6201, 0.3235,
0.3812

■ 57.8924, 0.3181,
0.3539

■ 60.4109, 0.3127,
0.3288

■ 63.1834, 0.3072,
0.3061

Harmonies

Analogous

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



46.6608, 0.4366, 0.5098



46.6608, 0.3356, 0.5510



46.6608, 0.2341, 0.4895

Triad

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



46.6608, 0.3356, 0.5510



46.6608, 0.1351, 0.1817



46.6608, 0.4828, 0.2822

Complementary

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



46.6608, 0.3356, 0.5510



11.0962, 0.2385, 0.1221

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.



46.6608, 0.3670, 0.2209



46.6608, 0.3356, 0.5510



46.6608, 0.1741, 0.1656

Square

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



46.6608, 0.3356, 0.5510



46.6608, 0.1295, 0.2387



46.6608, 0.2519, 0.1799



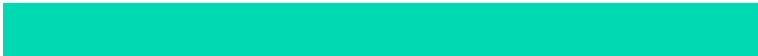
46.6608, 0.5384, 0.3533

Rectangle

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



46.6608, 0.3356, 0.5510



46.6608, 0.1803, 0.3985



46.6608, 0.2519, 0.1799



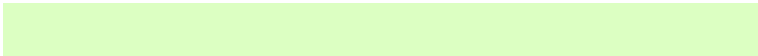
46.6608, 0.4481, 0.2602

Sweetspot

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



46.6628, 0.3356, 0.5510



90.5747, 0.3257, 0.3939



29.8723, 0.4841, 0.4286



19.1301, 0.3275, 0.4046



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.



46.6628, 0.3356, 0.5510



75.1060, 0.3277, 0.5761



43.9074, 0.2983, 0.5664



12.7651, 0.3179, 0.3525



28.4890, 0.3274, 0.5783



1.5141, 0.3431, 0.5658

Inverse Universe

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



11.0962, 0.2385, 0.1221



14.0596, 0.2202, 0.0999



18.2791, 0.3340, 0.1727



11.1581, 0.3071, 0.3057



5.2096, 0.2188, 0.0979



0.3129, 0.2384, 0.1087

Previews

White Background



This preview shows how the Yxy color 46.6608, 0.3356, 0.5510 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 46.6608, 0.3356, 0.5510 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 46.6608, 0.3356, 0.5510

Background



This preview shows how black text looks on a background with the Yxy color 46.6608, 0.3356, 0.5510.



This preview shows how white text looks on a background with the Yxy color 46.6608, 0.3356, 0.5510.

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

46.6608, 0.3356, 0.5510

Protanopia

45.8656, 0.4337, 0.4799

Deuteranopia

45.9692, 0.4545, 0.4459



Tritanopia

46.3856, 0.2621, 0.3083

Trichromacy



Original Color

46.6608, 0.3356, 0.5510



Protanomaly

44.9638, 0.3945, 0.5084



Deuteranomaly

44.7103, 0.4077, 0.4860



Tritanomaly

45.5102, 0.2952, 0.4043

Monochromacy



Original Color

46.6608, 0.3356, 0.5510



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.0854, 0.3301, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6608, 0.3356, 0.5510 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(110, 204, 41)` looks like.

```
.text, #text, p{  
    color:rgb(110, 204, 41)  
}
```

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(110, 204, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 204, 41) }
```

Border

The CSS property to change the border of an element to Yxy 46.6608, 0.3356, 0.5510 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(110, 204, 41) }
```

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

```
.border{ border-color:rgb(110, 204, 41) }
```

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

Here you see how a box with a 4 pixel rgb(110, 204, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 204, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 204, 41);  
box-shadow:4px 4px 4px 4px rgb(110, 204,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6608, 0.3356, 0.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 204, 41) }
```

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

```
.background{ background-color: rgb(110,  
204, 41) }
```

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