

Converting Colors

$Y_{xy}(46.7782, 0.3458, 0.5636)$

Have a look what the booklet for
Yxy(46.7782, 0.3458, 0.5636)
contains.

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Color

Yxy(46.8987, 0.3460, 0.5635)

Conversions

Conversions Part 1

Format	Color
Hex	74CC00
RGB	116, 204, 0
RGB Percent	45%, 80%, 0%
CMY	0.5450, 0.2000, 1.0000
CMYK	0.43, 0.00, 1.00, 0.20
HSL	86°, 100%, 40%
HSV	86°, 100%, 80%
XYZ	28.7967, 46.8987, 7.5321
YIQ	154.4320, 13.0360, -82.1000

Conversions

Conversions Part 2

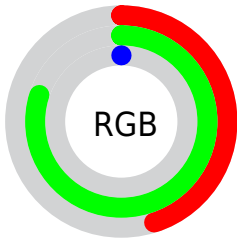
Format	Color
RYB	0, 204, 88
Decimal	7654400
CIELab	74.12, -52.65, 73.29
CIELCh	74, 90.239, 125.694
Yxy	46.8987, 0.3460, 0.5635
Android (android.graphics.Color)	4285844480 (0xFF74CC00)
YUV	154.4320, -76.1350, -33.7049
Hunter-Lab	68.4826, -44.7859, 41.4168

Details

The Yxy color **46.8987, 0.3460, 0.5635** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.4337, 0.1890, 0.0815**, and the grayscale version is **32.8553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2432, 0.3501, 0.5176**, and **22.2792, 0.3212, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **46.9009, 0.3460, 0.5635**, and if you desaturate by 10%, it is **47.5847, 0.3506, 0.5532**.

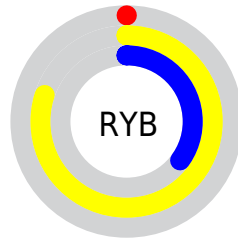
Distribution



Red (45%)

Green (80%)

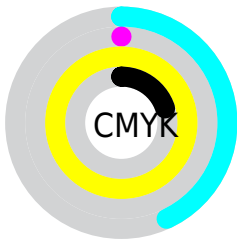
Blue (0%)



Red (0%)

Yellow (80%)

Blue (35%)

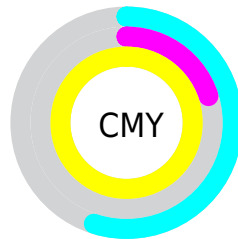


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (55%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8987, 0.3460, 0.5635 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 46.8987, 0.3460, 0.5635 by changing the saturation by 10% instead.


 46.8987, 0.3460,
0.5635


 46.8987, 0.3460,
0.5635


374.4100, 0.3414,
0.4434

 32.9556, 0.3421,
0.5912


 85.5624, 0.3479,
0.5208

 22.0924, 0.3342,
0.6243


 111.0518, 0.3475,
0.5044

 13.9248, 0.3217,
0.6689


 141.1587, 0.3467,
0.4903

 8.0684, 0.2914,
0.7086

 176.2675, 0.3457,
0.4782

 4.1387, 0.2423,
0.7577

 216.7627, 0.3446,
0.4677

 1.7515, 0.1029,
0.8971

 263.0285, 0.3435,

 0.4567, 0.0000,

0.4586

1.0000

315.4495, 0.3424,
0.4505

■ 0.0000, 0.0000,
0.0000

■ 46.8987, 0.3460,
0.5635

■ 46.8987, 0.3460,
0.5635

■ 46.9009, 0.3460,
0.5635

■ 47.5847, 0.3506,
0.5532

■ 48.3821, 0.3533,
0.5383

■ 49.3131, 0.3538,
0.5182

■ 50.3893, 0.3519,
0.4939

■ 51.6206, 0.3480,
0.4667

■ 53.0156, 0.3424,
0.4379

■ 54.5823, 0.3357,
0.4089

■ 56.3281, 0.3283,
0.3807

■ 58.2599, 0.3205,
0.3539

Harmonies

Analogous

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



46.8987, 0.4503, 0.5081



46.8987, 0.3460, 0.5635



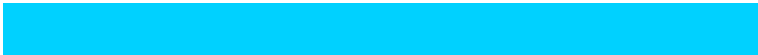
46.8987, 0.2393, 0.5140

Triad

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



46.8987, 0.3460, 0.5635



46.8987, 0.1256, 0.1787



46.8987, 0.4813, 0.2714

Complementary

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



46.8987, 0.3460, 0.5635



6.4337, 0.1890, 0.0815

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.



46.8987, 0.3551, 0.2100



46.8987, 0.3460, 0.5635



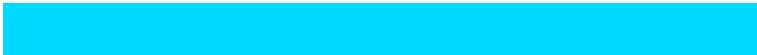
46.8987, 0.1617, 0.1589

Square

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



46.8987, 0.3460, 0.5635



46.8987, 0.1232, 0.2427



46.8987, 0.2374, 0.1706



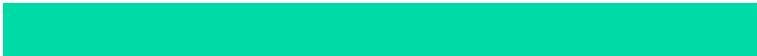
46.8987, 0.5484, 0.3435

Rectangle

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



46.8987, 0.3460, 0.5635



46.8987, 0.1809, 0.4195



46.8987, 0.2374, 0.1706



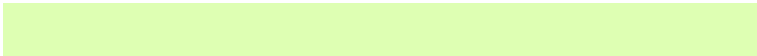
46.8987, 0.4425, 0.2492

Sweetspot

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



46.9009, 0.3460, 0.5635



90.2851, 0.3360, 0.4101



19.3348, 0.5660, 0.3888



19.0809, 0.3389, 0.4224



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.



46.9009, 0.3460, 0.5635



77.5416, 0.3452, 0.5641



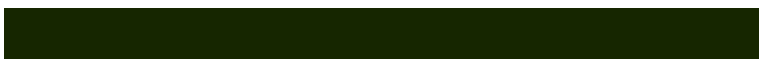
43.3058, 0.3017, 0.5987



12.8465, 0.3200, 0.3524



29.5753, 0.3469, 0.5627



1.5700, 0.3608, 0.5517

Inverse Universe

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



6.4337, 0.1890, 0.0815



10.5337, 0.1878, 0.0808



14.9247, 0.2999, 0.1426



11.0766, 0.3049, 0.3055



4.1021, 0.1905, 0.0823



0.2561, 0.2129, 0.0946

Previews

White Background



This preview shows how the Yxy color 46.8987, 0.3460, 0.5635 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 46.8987, 0.3460, 0.5635 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 46.8987, 0.3460, 0.5635

Background



This preview shows how black text looks on a background with the Yxy color 46.8987, 0.3460, 0.5635.



This preview shows how white text looks on a background with the Yxy color 46.8987, 0.3460, 0.5635.

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

46.8987, 0.3460, 0.5635

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

46.1591, 0.4630, 0.4533



Tritanopia

46.8101, 0.2653, 0.3085

Trichromacy



Original Color

46.8987, 0.3460, 0.5635

Protanomaly

45.5976, 0.4028, 0.5184

Deuteranomaly

44.9204, 0.4184, 0.4969

Tritanomaly

45.4672, 0.3089, 0.4268

Monochromacy



Original Color

46.8987, 0.3460, 0.5635

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

35.9623, 0.3439, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8987, 0.3460, 0.5635 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(116, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 204, 0)  
}
```

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(116, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.8987, 0.3460, 0.5635 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(116, 204, 0) }
```

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

```
.border{ border-color:rgb(116, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(116, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8987, 0.3460, 0.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 204, 0) }
```

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

```
.background{ background-color: rgb(116,  
204, 0) }
```

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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