

Converting Colors

$Y_{xy}(46.7083, 0.3439, 0.5651)$

Have a look what the booklet for
Yxy(46.7083, 0.3439, 0.5651)
contains.

Yxy(46.6964, 0.3438, 0.5652)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6964, 0.3438, 0.5652)

Conversions

Conversions Part 1

Format	Color
Hex	71CC00
RGB	113, 204, 0
RGB Percent	44%, 80%, 0%
CMY	0.5568, 0.2000, 0.9996
CMYK	0.45, 0.00, 1.00, 0.20
HSL	87°, 100%, 40%
HSV	87°, 100%, 80%
XYZ	28.4045, 46.6964, 7.5184
YIQ	153.5350, 11.2480, -82.7360

Conversions

Conversions Part 2

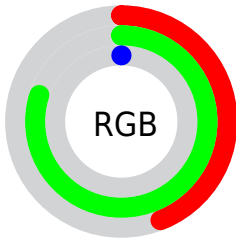
Format	Color
RYB	0, 204, 91
Decimal	7457792
CIELab	74.00, -53.62, 73.11
CIELCh	74, 90.669, 126.257
Yxy	46.6964, 0.3438, 0.5652
Android (android.graphics.Color)	4285647872 (0xFF71CC00)
YUV	153.5350, -75.6928, -35.5492
Hunter-Lab	68.3348, -45.3893, 41.3111

Details

The Yxy color **46.6964, 0.3438, 0.5652** 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 **6.5904, 0.1917, 0.0830**, and the grayscale version is **32.4417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8999, 0.3482, 0.5188**, and **22.1479, 0.3178, 0.5859** is the 20% darker color. If you saturate the color by 10%, you get **46.6953, 0.3438, 0.5652**, and if you desaturate by 10%, it is **47.3850, 0.3485, 0.5548**.

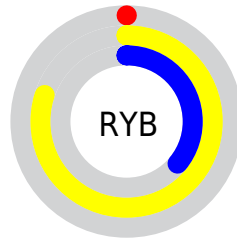
Distribution



Red (44%)

Green (80%)

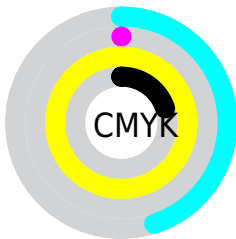
Blue (0%)



Red (0%)

Yellow (80%)

Blue (36%)

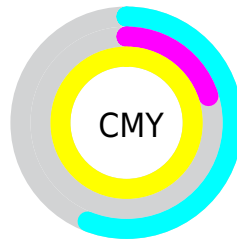


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (56%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6964, 0.3438, 0.5652 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 46.6964, 0.3438, 0.5652 by changing the saturation by 10% instead.


 46.6964, 0.3438,
0.5652

 46.6964, 0.3438,
0.5652


373.6014, 0.3403,
0.4438

 32.7957, 0.3396,
0.5933


 85.2603, 0.3461,
0.5220

 21.9700, 0.3313,
0.6269


 110.6922, 0.3459,
0.5054


 13.8349, 0.3183,
0.6724


 140.7367, 0.3452,
0.4912

 8.0059, 0.2872,
0.7128

 175.7782, 0.3444,
0.4790

 4.0987, 0.2371,
0.7629

 216.2010, 0.3434,
0.4684

 1.7289, 0.0864,
0.9136

 262.3895, 0.3423,

 0.4423, 0.0000,

0.4592

1.0000

314.7282, 0.3413,
0.4510

■ 0.0000, 0.0000,
0.0000

■ 46.6964, 0.3438,
0.5652

■ 46.6964, 0.3438,
0.5652

■ 46.6953, 0.3438,
0.5652

■ 47.3850, 0.3485,
0.5548

■ 48.1889, 0.3514,
0.5396

■ 49.1303, 0.3520,
0.5192

■ 50.2210, 0.3504,
0.4946

■ 51.4708, 0.3467,
0.4671

■ 52.8887, 0.3414,
0.4382

■ 54.4829, 0.3349,
0.4090

■ 56.2607, 0.3278,
0.3807

■ 58.2291, 0.3202,
0.3538

Harmonies

Analogous

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



46.6964, 0.4488, 0.5102



46.6964, 0.3438, 0.5652



46.6964, 0.2369, 0.5132

Triad

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



46.6964, 0.3438, 0.5652



46.6964, 0.1252, 0.1772



46.6964, 0.4844, 0.2723

Complementary

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



46.6964, 0.3438, 0.5652



6.5904, 0.1917, 0.0830

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.



46.6964, 0.3578, 0.2104



46.6964, 0.3438, 0.5652



46.6964, 0.1620, 0.1581

Square

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



46.6964, 0.3438, 0.5652



46.6964, 0.1221, 0.2403



46.6964, 0.2388, 0.1704



46.6964, 0.5501, 0.3447

Rectangle

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



46.6964, 0.3438, 0.5652



46.6964, 0.1787, 0.4171



46.6964, 0.2388, 0.1704



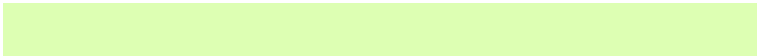
46.6964, 0.4456, 0.2499

Sweetspot

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



46.6984, 0.3438, 0.5652



90.1052, 0.3352, 0.4103



19.8924, 0.5611, 0.3926



19.0383, 0.3381, 0.4227



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.



46.6984, 0.3438, 0.5652



77.2012, 0.3429, 0.5659



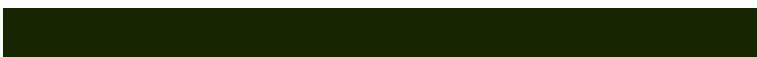
43.2778, 0.3013, 0.5989



12.8380, 0.3198, 0.3524



29.4460, 0.3447, 0.5645



1.5637, 0.3589, 0.5533

Inverse Universe

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



6.5904, 0.1917, 0.0830



10.7833, 0.1904, 0.0822



15.3616, 0.3041, 0.1449



11.0849, 0.3051, 0.3055



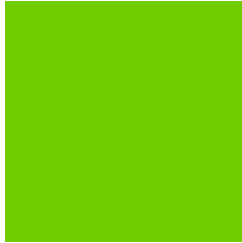
4.1984, 0.1931, 0.0837



0.2614, 0.2154, 0.0960

Previews

White Background



This preview shows how the Yxy color 46.6964, 0.3438, 0.5652 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 46.6964, 0.3438, 0.5652 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 46.6964, 0.3438, 0.5652

Background



This preview shows how black text looks on a background with the Yxy color 46.6964, 0.3438, 0.5652.



This preview shows how white text looks on a background with the Yxy color 46.6964, 0.3438, 0.5652.

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

46.6964, 0.3438, 0.5652

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

46.1591, 0.4630, 0.4533



Tritanopia

46.6380, 0.2640, 0.3084

Trichromacy



Original Color

46.6964, 0.3438, 0.5652



Protanomaly

45.0531, 0.4027, 0.5185



Deuteranomaly

44.7947, 0.4175, 0.4976



Tritanomaly

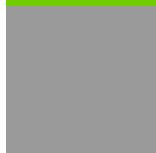
45.3090, 0.3074, 0.4272

Monochromacy



Original Color

46.6964, 0.3438, 0.5652



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.8759, 0.3429, 0.4456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6964, 0.3438, 0.5652 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(113, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.6964, 0.3438, 0.5652 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(113, 204, 0) }
```

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

```
.border{ border-color:rgb(113, 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(113, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6964, 0.3438, 0.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 204, 0) }
```

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

```
.background{ background-color: rgb(113,  
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](#).

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