

Converting Colors

$Yxy(46.6408, 0.3709, 0.4647)$

Have a look what the booklet for
Yxy(46.6408, 0.3709, 0.4647)
contains.

Yxy(46.6408, 0.3709, 0.4647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6408, 0.3709, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	ABBF59
RGB	171, 191, 89
RGB Percent	67%, 75%, 35%
CMY	0.3295, 0.2509, 0.6508
CMYK	0.10, 0.00, 0.53, 0.25
HSL	72°, 44%, 55%
HSV	72°, 53%, 75%
XYZ	37.2263, 46.6408, 16.5004
YIQ	173.3920, 20.8220, -35.9620

Conversions

Conversions Part 2

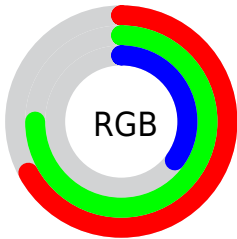
Format	Color
RYB	89, 191, 109
Decimal	11255641
CIELab	73.96, -21.93, 48.47
CIELCh	74, 53.204, 114.343
Yxy	46.6408, 0.3709, 0.4647
Android (android.graphics.Color)	4289445721 (0xFFABBF59)
YUV	173.3920, -41.6053, -2.0978
Hunter-Lab	68.2941, -22.2163, 33.4809

Details

The Yxy color **46.6408, 0.3709, 0.4647** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.1697, 0.2284, 0.1677**, and the grayscale version is **42.2098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9685, 0.3627, 0.4393**, and **22.0235, 0.3798, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **45.9470, 0.3782, 0.4865**, and if you desaturate by 10%, it is **47.4340, 0.3617, 0.4403**.

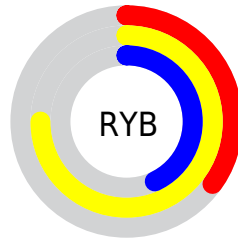
Distribution



Red (67%)

Green (75%)

Blue (35%)



Red (35%)

Yellow (75%)

Blue (43%)

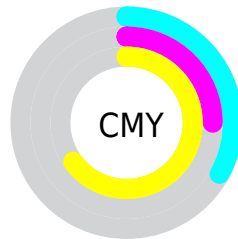


Cyan (10%)

Magenta (0%)

Yellow (53%)

Black (25%)



Cyan (33%)


Magenta (25%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6408, 0.3709, 0.4647 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 46.6408, 0.3709, 0.4647 by changing the saturation by 10% instead.

 46.6408, 0.3709,
0.4647

 46.6408, 0.3709,
0.4647


373.3789, 0.3452,
0.3959

 32.7518, 0.3757,
0.4814


 85.1772, 0.3627,
0.4398

 21.9364, 0.3807,
0.5023


 110.5934, 0.3592,
0.4304

 13.8101, 0.3851,
0.5287


 140.6207, 0.3562,
0.4224

 7.9887, 0.3876,
0.5628

 175.6436, 0.3535,
0.4156

 4.0877, 0.3871,
0.6129

216.0465, 0.3511,
0.4097

 1.7228, 0.3523,
0.6477

262.2138, 0.3489,

 0.4383, 0.0000,

0.4045

1.0000

314.5298, 0.3470,
0.3999

0.0000, 0.0000,
0.0000

46.6408, 0.3709,
0.4647

46.6408, 0.3709,
0.4647

45.9470, 0.3782,
0.4865

47.4340, 0.3617,
0.4403

45.3397, 0.3833,
0.5048

48.3263, 0.3512,
0.4144

44.8132, 0.3858,
0.5188

49.3253, 0.3399,
0.3881

44.3584, 0.3859,
0.5281

50.4359, 0.3282,
0.3621

44.0851, 0.3849,
0.5326

51.6628, 0.3166,
0.3371

■ 53.0104, 0.3053,
0.3136

■ 54.4830, 0.2946,
0.2918

■ 56.0843, 0.2845,
0.2717

■ 57.4289, 0.2788,
0.2591

Harmonies

Analogous

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



46.6408, 0.4301, 0.4347



46.6408, 0.3709, 0.4647



46.6408, 0.2997, 0.4496

Triad

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



46.6408, 0.3709, 0.4647



46.6408, 0.1843, 0.2490



46.6408, 0.3878, 0.2779

Complementary

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



46.6408, 0.3709, 0.4647



14.1697, 0.2284, 0.1677

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.



46.6408, 0.3118, 0.2389



46.6408, 0.3709, 0.4647



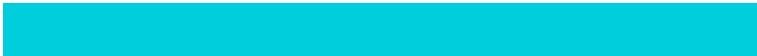
46.6408, 0.2010, 0.2203

Square

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



46.6408, 0.3709, 0.4647



46.6408, 0.1956, 0.3071



46.6408, 0.2446, 0.2182



46.6408, 0.4448, 0.3287

Rectangle

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



46.6408, 0.3709, 0.4647



46.6408, 0.2552, 0.4107



46.6408, 0.2446, 0.2182



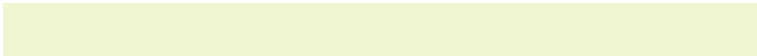
46.6408, 0.3630, 0.2632

Sweetspot

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



46.6429, 0.3709, 0.4647



89.7298, 0.3315, 0.3695



22.4691, 0.4516, 0.3545



19.6118, 0.3340, 0.3749



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6429, 0.3709, 0.4647



82.0951, 0.3792, 0.4898



42.0764, 0.3278, 0.4862



11.0233, 0.3235, 0.3519



29.0031, 0.3854, 0.5322



1.1607, 0.3940, 0.5254

Inverse Universe

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



14.1697, 0.2284, 0.1677



17.8929, 0.2067, 0.1313



18.2561, 0.2810, 0.1885



9.3132, 0.3013, 0.3055



2.7643, 0.1603, 0.0657



0.1356, 0.1833, 0.0783

Previews

White Background



This preview shows how the Yxy color 46.6408, 0.3709, 0.4647 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 46.6408, 0.3709, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

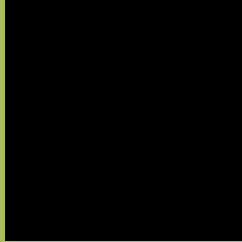
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6408, 0.3709, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 46.6408, 0.3709, 0.4647.



This preview shows how white text looks on a background with the Yxy color 46.6408, 0.3709, 0.4647.

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

46.6408, 0.3709, 0.4647

Protanopia

46.5453, 0.4063, 0.4450

Deuteranopia

46.3833, 0.4277, 0.4185



Tritanopia

46.6048, 0.3043, 0.3111

Trichromacy



Original Color

46.6408, 0.3709, 0.4647

Protanomaly

46.3332, 0.3933, 0.4521

Deuteranomaly

46.2526, 0.4064, 0.4356

Tritanomaly

46.2650, 0.3307, 0.3667

Monochromacy



Original Color

46.6408, 0.3709, 0.4647

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.3662, 0.3366, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6408, 0.3709, 0.4647 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(171, 191, 89)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 89)  
}
```

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(171, 191, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 89) }
```

Border

The CSS property to change the border of an element to Yxy 46.6408, 0.3709, 0.4647 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(171, 191, 89) }
```

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

```
.border{ border-color:rgb(171, 191, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 89);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6408, 0.3709, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 89) }
```

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

```
.background{ background-color: rgb(171,  
191, 89) }
```

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