

Converting Colors

$Y_{xy}(46.0042, 0.3925, 0.4766)$

Have a look what the booklet for
Yxy(46.0042, 0.3925, 0.4766)
contains.

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Color

Yxy(46.1119, 0.3920, 0.4768)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B4BC46 |
| RGB | 180, 188, 70 |
| RGB Percent | 71%, 74%, 27% |
| CMY | 0.2941, 0.2627, 0.7257 |
| CMYK | 0.04, 0.00, 0.63, 0.26 |
| HSL | 64°, 47%, 51% |
| HSV | 64°, 63%, 74% |
| XYZ | 37.9108, 46.1119, 12.6885 |
| YIQ | 172.1560, 33.1100, -38.3940 |

Conversions

Conversions Part 2

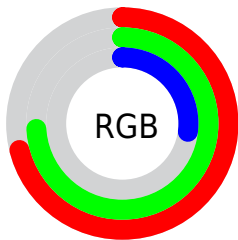
| Format | Color |
|-------------------------------------|--|
| RYB | 70, 188, 78 |
| Decimal | 11844678 |
| CIELab | 73.62, -18.23, 56.82 |
| CIELCh | 74, 59.678, 107.788 |
| Yxy | 46.1119, 0.3920, 0.4768 |
| Android (android.graphics.Color) | 4290034758 (0xFFB4BC46) |
| YUV | 172.1560, -50.3629, 6.8792 |
| Hunter-Lab | 67.9057, -19.1811, 36.4554 |

Details

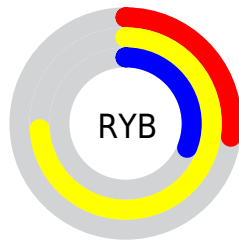
The Yxy color **46.1119, 0.3920, 0.4768** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **9.6234, 0.1981, 0.1324**, and the grayscale version is **41.5847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3337, 0.3807, 0.4506**, and **21.6262, 0.4042, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **45.7606, 0.3995, 0.4926**, and if you desaturate by 10%, it is **46.5432, 0.3822, 0.4573**.

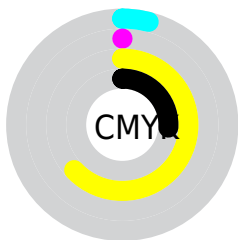
Distribution



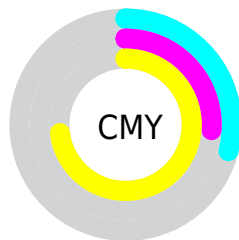
- Red (71%)
- Green (74%)
- Blue (27%)



- Red (27%)
- Yellow (74%)
- Blue (31%)



- Cyan (4%)
- Magenta (0%)
- Yellow (63%)
- Black (26%)





- Cyan (29%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1119, 0.3920, 0.4768 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 46.1119, 0.3920, 0.4768 by changing the saturation by 10% instead.


 46.1119, 0.3920,
0.4768


 46.1119, 0.3920,
0.4768


371.2583, 0.3572,
0.4036


 32.3341, 0.3983,
0.4936


 84.3864, 0.3810,
0.4511


 21.6168, 0.4046,
0.5137


 109.6520, 0.3763,
0.4411

 13.5756, 0.4099,
0.5378


 139.5156, 0.3722,
0.4325

 7.8261, 0.4187,
0.5755

 174.3617, 0.3685,
0.4251

 3.9839, 0.4038,
0.5962

 214.5746, 0.3652,
0.4187

 1.6646, 0.3745,
0.6255

260.5387, 0.3622,

 0.4005, 0.0000,

0.4131

1.0000

312.6385, 0.3596,
0.4081

■ 0.0000, 0.0000,
0.0000

■ 46.1119, 0.3920,
0.4768

■ 46.1119, 0.3920,
0.4768

■ 45.7606, 0.3995,
0.4926

■ 46.5432, 0.3822,
0.4573

■ 45.4756, 0.4045,
0.5041

■ 47.0543, 0.3706,
0.4350

■ 45.2505, 0.4069,
0.5113

■ 47.6531, 0.3577,
0.4107

■ 45.1131, 0.4075,
0.5146

■ 48.3445, 0.3440,
0.3855

■ 49.1334, 0.3302,
0.3603

■ 50.0241, 0.3165,
0.3357

■ 51.0208, 0.3033,
0.3122

■ 52.1273, 0.2908,
0.2902

■ 53.3474, 0.2792,
0.2698

Harmonies

Analogous

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



46.1119, 0.4532, 0.4330



46.1119, 0.3920, 0.4768



46.1119, 0.3140, 0.4757

Triad

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



46.1119, 0.3920, 0.4768



46.1119, 0.1710, 0.2500



46.1119, 0.3787, 0.2613

Complementary

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



46.1119, 0.3920, 0.4768



9.6234, 0.1981, 0.1324

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.



46.1119, 0.2929, 0.2227



46.1119, 0.3920, 0.4768



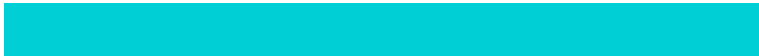
46.1119, 0.1828, 0.2125

Square

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



46.1119, 0.3920, 0.4768



46.1119, 0.1895, 0.3214



46.1119, 0.2238, 0.2050



46.1119, 0.4509, 0.3143

Rectangle

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



46.1119, 0.3920, 0.4768



46.1119, 0.2628, 0.4393



46.1119, 0.2238, 0.2050



46.1119, 0.3498, 0.2464

Sweetspot

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



46.1140, 0.3920, 0.4768



88.0894, 0.3392, 0.3767



16.5574, 0.5032, 0.3393



18.8585, 0.3432, 0.3840



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.1140, 0.3920, 0.4768



82.7388, 0.4015, 0.4970



40.4830, 0.3388, 0.5083



11.0867, 0.3254, 0.3517



30.7267, 0.4077, 0.5145



1.2136, 0.4106, 0.5122

Inverse Universe

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



9.6234, 0.1981, 0.1324



11.3809, 0.1749, 0.0951



13.3113, 0.2570, 0.1587



9.2554, 0.2994, 0.3054



2.5413, 0.1525, 0.0614



0.1102, 0.1620, 0.0666

Previews

White Background



This preview shows how the Yxy color 46.1119, 0.3920, 0.4768 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 46.1119, 0.3920, 0.4768 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 46.1119, 0.3920, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 46.1119, 0.3920, 0.4768.



This preview shows how white text looks on a background with the Yxy color 46.1119, 0.3920, 0.4768.

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

46.1119, 0.3920, 0.4768

Protanopia

46.0217, 0.4189, 0.4598

Deuteranopia

45.8603, 0.4425, 0.4340



Tritanopia

45.9748, 0.3153, 0.3113

Trichromacy



Original Color

46.1119, 0.3920, 0.4768

Protanomaly

46.1800, 0.4085, 0.4662

Deuteranomaly

45.7317, 0.4240, 0.4496

Tritanomaly

45.4092, 0.3480, 0.3741

Monochromacy



Original Color

46.1119, 0.3920, 0.4768

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.7040, 0.3457, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1119, 0.3920, 0.4768 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(180, 188, 70)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 70)  
}
```

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(180, 188, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 70) }
```

Border

The CSS property to change the border of an element to Yxy 46.1119, 0.3920, 0.4768 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(180, 188, 70) }
```

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

```
.border{ border-color:rgb(180, 188, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 188, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 70);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1119, 0.3920, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 70) }
```

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

```
.background{ background-color: rgb(180,  
188, 70) }
```

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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