

Converting Colors

$Y_{xy}(46.6985, 0.3941, 0.4702)$

Have a look what the booklet for
Yxy(46.6985, 0.3941, 0.4702)
contains.

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Color

Yxy(46.7751, 0.3945, 0.4704)

Conversions

Conversions Part 1

Format	Color
Hex	B9BC4A
RGB	185, 188, 74
RGB Percent	73%, 74%, 29%
CMY	0.2745, 0.2627, 0.7099
CMYK	0.02, 0.00, 0.61, 0.26
HSL	62°, 46%, 51%
HSV	62°, 61%, 74%
XYZ	39.2278, 46.7751, 13.4339
YIQ	174.1070, 34.8060, -36.0900

Conversions

Conversions Part 2

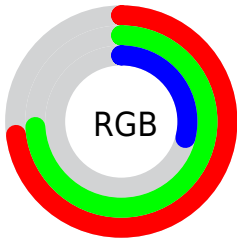
Format	Color
RYB	74, 188, 77
Decimal	12172362
CIELab	74.05, -15.86, 55.69
CIELCh	74, 57.900, 105.898
Yxy	46.7751, 0.3945, 0.4704
Android (android.graphics.Color)	4290362442 (0xFFB9BC4A)
YUV	174.1070, -49.3528, 9.5532
Hunter-Lab	68.3923, -17.3042, 36.2286

Details

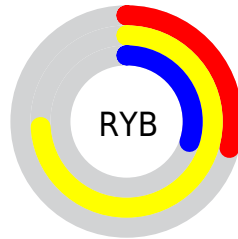
The Yxy color **46.7751, 0.3945, 0.4704** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **10.1010, 0.1985, 0.1375**, and the grayscale version is **42.6308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2884, 0.3827, 0.4463**, and **22.0296, 0.4083, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **46.4994, 0.4032, 0.4862**, and if you desaturate by 10%, it is **47.1310, 0.3835, 0.4510**.

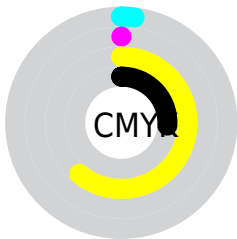
Distribution



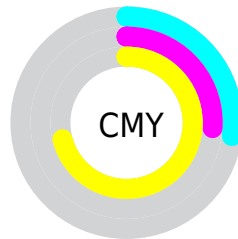
- Red (73%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (30%)



- Cyan (2%)
- Magenta (0%)
- Yellow (61%)
- Black (26%)





- Cyan (27%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7751, 0.3945, 0.4704 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 46.7751, 0.3945, 0.4704 by changing the saturation by 10% instead.


 46.7751, 0.3945,
0.4704


 46.7751, 0.3945,
0.4704


373.9161, 0.3581,
0.4008


 32.8579, 0.4013,
0.4863


 85.3778, 0.3828,
0.4460


 22.0176, 0.4085,
0.5053


 110.8321, 0.3779,
0.4365

 13.8698, 0.4152,
0.5281

 140.9009, 0.3736,
0.4284

 8.0302, 0.4241,
0.5611

 175.9686, 0.3697,
0.4213

 4.1143, 0.4158,
0.5842

 216.4196, 0.3663,
0.4152

 1.7377, 0.3911,
0.6089

262.6382, 0.3633,

 0.4479, 0.0792,

0.4098

0.9208

315.0089, 0.3605,
0.4050

0.0000, 0.0000,
0.0000

46.7751, 0.3945,
0.4704

46.7751, 0.3945,
0.4704

46.4994, 0.4032,
0.4862

47.1310, 0.3835,
0.4510

46.2906, 0.4095,
0.4978

47.5667, 0.3708,
0.4288

46.1423, 0.4131,
0.5051

48.0900, 0.3570,
0.4048

46.0434, 0.4148,
0.5089

48.7059, 0.3425,
0.3799

49.4189, 0.3279,
0.3549

■ 50.2335, 0.3136,
0.3306

■ 51.1536, 0.3000,
0.3073

■ 52.1832, 0.2871,
0.2856

■ 53.3259, 0.2752,
0.2654

Harmonies

Analogous

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



46.7751, 0.4519, 0.4272



46.7751, 0.3945, 0.4704



46.7751, 0.3193, 0.4720

Triad

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



46.7751, 0.3945, 0.4704



46.7751, 0.1753, 0.2562



46.7751, 0.3713, 0.2605

Complementary

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



46.7751, 0.3945, 0.4704



10.1010, 0.1985, 0.1375

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.



46.7751, 0.2888, 0.2239



46.7751, 0.3945, 0.4704



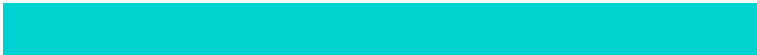
46.7751, 0.1849, 0.2174

Square

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



46.7751, 0.3945, 0.4704



46.7751, 0.1955, 0.3273



46.7751, 0.2232, 0.2082



46.7751, 0.4428, 0.3116

Rectangle

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



46.7751, 0.3945, 0.4704



46.7751, 0.2692, 0.4394



46.7751, 0.2232, 0.2082



46.7751, 0.3434, 0.2463

Sweetspot

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



46.7773, 0.3945, 0.4704



88.5579, 0.3390, 0.3740



16.3371, 0.4988, 0.3319



18.9676, 0.3433, 0.3813



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.



46.7773, 0.3945, 0.4704



84.1228, 0.4057, 0.4908



41.1356, 0.3435, 0.4996



11.1074, 0.3260, 0.3517



31.3530, 0.4148, 0.5088



1.2322, 0.4160, 0.5079

Inverse Universe

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



10.1010, 0.1985, 0.1375



11.8195, 0.1746, 0.0983



13.5022, 0.2529, 0.1612



9.2370, 0.2988, 0.3053



2.4988, 0.1510, 0.0605



0.1020, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 46.7751, 0.3945, 0.4704 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 46.7751, 0.3945, 0.4704 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 46.7751, 0.3945, 0.4704

Background



This preview shows how black text looks on a background with the Yxy color 46.7751, 0.3945, 0.4704.



This preview shows how white text looks on a background with the Yxy color 46.7751, 0.3945, 0.4704.

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

46.7751, 0.3945, 0.4704

Protanopia

46.6203, 0.4168, 0.4569

Deuteranopia

46.6059, 0.4416, 0.4316



Tritanopia

46.5041, 0.3188, 0.3115

Trichromacy



Original Color

46.7751, 0.3945, 0.4704

Protanomaly

46.4978, 0.4082, 0.4617

Deuteranomaly

46.2255, 0.4244, 0.4446

Tritanomaly

45.9871, 0.3500, 0.3709

Monochromacy



Original Color

46.7751, 0.3945, 0.4704

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5402, 0.3457, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7751, 0.3945, 0.4704 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(185, 188, 74)` looks like.

```
.text, #text, p{  
    color:rgb(185, 188, 74)  
}
```

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(185, 188, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 188, 74) }
```

Border

The CSS property to change the border of an element to Yxy 46.7751, 0.3945, 0.4704 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(185, 188, 74) }
```

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

```
.border{ border-color:rgb(185, 188, 74) }
```

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

Here you see how a box with a 4 pixel rgb(185, 188, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 188, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 188, 74);  
box-shadow:4px 4px 4px 4px rgb(185, 188,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7751, 0.3945, 0.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 188, 74) }
```

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

```
.background{ background-color: rgb(185,  
188, 74) }
```

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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