

Converting Colors

$Y_{xy}(45.1309, 0.3950, 0.4723)$

Have a look what the booklet for
Yxy(45.1309, 0.3950, 0.4723)
contains.

Yxy(45.0979, 0.3954, 0.4720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0979, 0.3954, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	B6B947
RGB	182, 185, 71
RGB Percent	71%, 73%, 28%
CMY	0.2862, 0.2745, 0.7217
CMYK	0.02, 0.00, 0.62, 0.27
HSL	62°, 45%, 50%
HSV	62°, 62%, 73%
XYZ	37.7790, 45.0979, 12.6695
YIQ	171.1070, 34.8060, -36.0900

Conversions

Conversions Part 2

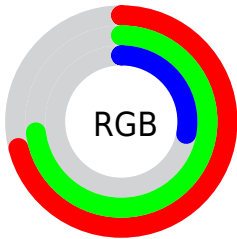
Format	Color
RYB	71, 185, 74
Decimal	11974983
CIELab	72.96, -15.81, 55.73
CIELCh	73, 57.930, 105.833
Yxy	45.0979, 0.3954, 0.4720
Android (android.graphics.Color)	4290165063 (0xFFB6B947)
YUV	171.1070, -49.3528, 9.5532
Hunter-Lab	67.1550, -17.1033, 35.8228

Details

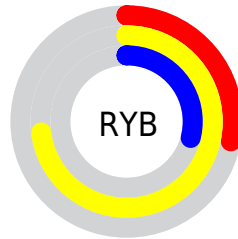
The Yxy color **45.0979, 0.3954, 0.4720** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **9.4601, 0.1968, 0.1346**, and the grayscale version is **41.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8911, 0.3834, 0.4475**, and **20.9579, 0.4096, 0.5078** is the 20% darker color. If you saturate the color by 10%, you get **44.8386, 0.4039, 0.4874**, and if you desaturate by 10%, it is **45.4338, 0.3846, 0.4529**.

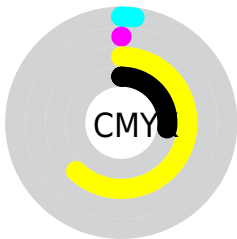
Distribution



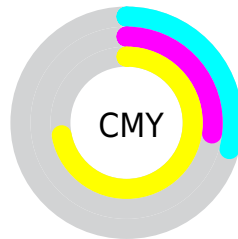
- Red (71%)
- Green (73%)
- Blue (28%)



- Red (28%)
- Yellow (73%)
- Blue (29%)



- Cyan (2%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)




- Cyan (29%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0979, 0.3954, 0.4720 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 45.0979, 0.3954, 0.4720 by changing the saturation by 10% instead.


 45.0979, 0.3954,
0.4720

 45.0979, 0.3954,
0.4720


367.1699, 0.3584,
0.4013


 31.5345, 0.4023,
0.4882


 82.8673, 0.3835,
0.4471

 21.0062, 0.4095,
0.5076


 107.8421, 0.3785,
0.4375


 13.1286, 0.4160,
0.5307

 137.3896, 0.3741,
0.4292

 7.5171, 0.4269,
0.5673

 171.8941, 0.3702,
0.4221

 3.7876, 0.4140,
0.5860

 211.7399, 0.3668,
0.4159

 1.5554, 0.3877,
0.6123

257.3116, 0.3637,

 0.3273, 0.0000,

0.4104

1.0000

308.9935, 0.3609,
0.4056

■ 0.0000, 0.0000,
0.0000

■ 45.0979, 0.3954,
0.4720

■ 45.0979, 0.3954,
0.4720

■ 44.8386, 0.4039,
0.4874

■ 45.4338, 0.3846,
0.4529

■ 44.6430, 0.4099,
0.4986

■ 45.8461, 0.3721,
0.4310

■ 44.5050, 0.4134,
0.5055

■ 46.3421, 0.3583,
0.4071

■ 44.4203, 0.4148,
0.5089

■ 46.9268, 0.3439,
0.3823

■ 47.6047, 0.3293,
0.3573

■ 48.3798, 0.3150,
0.3329

■ 49.2562, 0.3013,
0.3096

■ 50.2376, 0.2883,
0.2877

■ 51.3275, 0.2763,
0.2674

Harmonies

Analogous

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



45.0979, 0.4535, 0.4279



45.0979, 0.3954, 0.4720



45.0979, 0.3194, 0.4741

Triad

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



45.0979, 0.3954, 0.4720



45.0979, 0.1738, 0.2554



45.0979, 0.3719, 0.2596

Complementary

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



45.0979, 0.3954, 0.4720



9.4601, 0.1968, 0.1346

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.



45.0979, 0.2883, 0.2228



45.0979, 0.3954, 0.4720



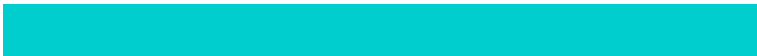
45.0979, 0.1835, 0.2162

Square

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



45.0979, 0.3954, 0.4720



45.0979, 0.1942, 0.3274



45.0979, 0.2220, 0.2069



45.0979, 0.4444, 0.3112

Rectangle

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



45.0979, 0.3954, 0.4720



45.0979, 0.2687, 0.4411



45.0979, 0.2220, 0.2069



45.0979, 0.3435, 0.2453

Sweetspot

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



45.1000, 0.3954, 0.4720



84.4302, 0.3390, 0.3739



15.5174, 0.5031, 0.3319



18.1290, 0.3432, 0.3812



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.1000, 0.3954, 0.4720



80.1655, 0.4064, 0.4919



39.5956, 0.3436, 0.5020



10.4910, 0.3260, 0.3516



30.2507, 0.4148, 0.5088



1.0702, 0.4161, 0.5078

Inverse Universe

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



9.4601, 0.1968, 0.1346



10.9462, 0.1732, 0.0961



12.7427, 0.2517, 0.1588



8.7304, 0.2988, 0.3054



2.4114, 0.1510, 0.0605



0.0888, 0.1550, 0.0627

Previews

White Background



This preview shows how the Yxy color 45.0979, 0.3954, 0.4720 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 45.0979, 0.3954, 0.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

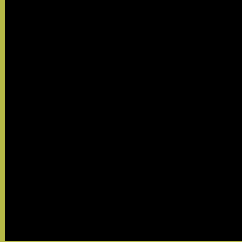
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0979, 0.3954, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 45.0979, 0.3954, 0.4720.



This preview shows how white text looks on a background with the Yxy color 45.0979, 0.3954, 0.4720.

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

45.0979, 0.3954, 0.4720

Protanopia

44.9492, 0.4180, 0.4582

Deuteranopia

44.7870, 0.4424, 0.4330



Tritanopia

44.8125, 0.3189, 0.3113

Trichromacy



Original Color

45.0979, 0.3954, 0.4720

Protanomaly

44.8274, 0.4093, 0.4631

Deuteranomaly

44.4198, 0.4249, 0.4462

Tritanomaly

44.3074, 0.3506, 0.3715

Monochromacy



Original Color

45.0979, 0.3954, 0.4720

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.9139, 0.3463, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0979, 0.3954, 0.4720 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(182, 185, 71)` looks like.

```
.text, #text, p{  
    color:rgb(182, 185, 71)  
}
```

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(182, 185, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 185, 71) }
```

Border

The CSS property to change the border of an element to Yxy 45.0979, 0.3954, 0.4720 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(182, 185, 71) }
```

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

```
.border{ border-color:rgb(182, 185, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 185, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 185, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 185, 71);  
box-shadow:4px 4px 4px 4px rgb(182, 185,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0979, 0.3954, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 185, 71) }
```

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

```
.background{ background-color: rgb(182,  
185, 71) }
```

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