

Converting Colors

$Yxy(41.6194, 0.3774, 0.4524)$

Have a look what the booklet for
Yxy(41.6194, 0.3774, 0.4524)
contains.

Yxy(41.6194, 0.3774, 0.4524)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.6194, 0.3774, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	ABB359
RGB	171, 179, 89
RGB Percent	67%, 70%, 35%
CMY	0.3294, 0.2980, 0.6509
CMYK	0.04, 0.00, 0.50, 0.30
HSL	65°, 37%, 53%
HSV	65°, 50%, 70%
XYZ	34.7196, 41.6194, 15.6579
YIQ	166.3480, 24.1220, -29.6860

Conversions

Conversions Part 2

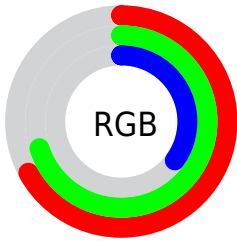
Format	Color
RYB	89, 179, 97
Decimal	11252569
CIELab	70.61, -15.89, 44.54
CIELCh	71, 47.290, 109.630
Yxy	41.6194, 0.3774, 0.4524
Android (android.graphics.Color)	4289442649 (0xFFABB359)
YUV	166.3480, -38.1326, 4.0798
Hunter-Lab	64.5131, -16.8329, 30.7690

Details

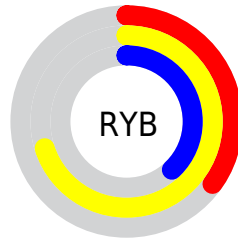
The Yxy color $41.6194, 0.3774, 0.4524$ is a dark color, and the websafe version is hex `CCCC66`. A complement of this color would be $12.9444, 0.2253, 0.1753$, and the grayscale version is $38.4921, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.8337, 0.3673, 0.4299$, and $18.8436, 0.3918, 0.4874$ is the 20% darker color. If you saturate the color by 10%, you get $41.1786, 0.3873, 0.4731$, and if you desaturate by 10%, it is $42.1392, 0.3658, 0.4292$.

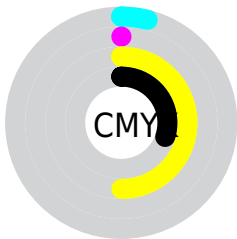
Distribution



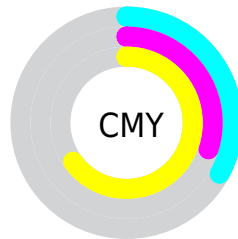
- Red (67%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)




- Cyan (33%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6194, 0.3774, 0.4524 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 41.6194, 0.3774, 0.4524 by changing the saturation by 10% instead.


 41.6194, 0.3774,
0.4524


 41.6194, 0.3774,
0.4524


352.9028, 0.3472,
0.3892


 28.8034, 0.3837,
0.4680


 77.6233, 0.3672,
0.4294

 18.9321, 0.3907,
0.4876


 101.5799, 0.3632,
0.4207

 11.6213, 0.3980,
0.5124


 130.0189, 0.3596,
0.4134

 6.4863, 0.4054,
0.5461

 163.3247, 0.3565,
0.4071

 3.1430, 0.4087,
0.5913

201.8815, 0.3537,
0.4017

 1.2068, 0.3764,
0.6236

246.0739, 0.3513,

 0.0673, 0.0000,

0.3970

1.0000

296.2862, 0.3491,
0.3928

0.0000, 0.0000,
0.0000

41.6194, 0.3774,
0.4524

41.6194, 0.3774,
0.4524

41.1786, 0.3873,
0.4731

42.1392, 0.3658,
0.4292

40.8059, 0.3951,
0.4903

42.7373, 0.3531,
0.4044

40.4968, 0.4004,
0.5035

43.4199, 0.3397,
0.3791

40.2442, 0.4031,
0.5123

44.1912, 0.3263,
0.3540

40.0380, 0.4039,
0.5175

45.0550, 0.3131,
0.3296

■ 46.0149, 0.3004,
0.3066

■ 47.0743, 0.2884,
0.2851

■ 48.2366, 0.2773,
0.2653

■ 49.5047, 0.2670,
0.2472

Harmonies

Analogous

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



41.6194, 0.4287, 0.4215



41.6194, 0.3774, 0.4524



41.6194, 0.3119, 0.4449

Triad

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



41.6194, 0.3774, 0.4524



41.6194, 0.1926, 0.2619



41.6194, 0.3716, 0.2749

Complementary

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



41.6194, 0.3774, 0.4524



12.9444, 0.2253, 0.1753

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.



41.6194, 0.3013, 0.2405



41.6194, 0.3774, 0.4524



41.6194, 0.2042, 0.2302

Square

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



41.6194, 0.3774, 0.4524



41.6194, 0.2078, 0.3201



41.6194, 0.2415, 0.2242



41.6194, 0.4286, 0.3216

Rectangle

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



41.6194, 0.3774, 0.4524



41.6194, 0.2691, 0.4137



41.6194, 0.2415, 0.2242



41.6194, 0.3483, 0.2617

Sweetspot

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



41.6213, 0.3774, 0.4524



78.4348, 0.3330, 0.3664



18.7657, 0.4463, 0.3401



17.3142, 0.3358, 0.3717



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



41.6213, 0.3774, 0.4524



73.6944, 0.3880, 0.4745



37.4371, 0.3354, 0.4720



9.8675, 0.3250, 0.3516



28.3066, 0.4041, 0.5174



0.9018, 0.4086, 0.5138

Inverse Universe

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



12.9444, 0.2253, 0.1753



16.6409, 0.2039, 0.1395



16.1098, 0.2730, 0.1930



8.2651, 0.2998, 0.3056



2.3900, 0.1535, 0.0619



0.0870, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 41.6194, 0.3774, 0.4524 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 41.6194, 0.3774, 0.4524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

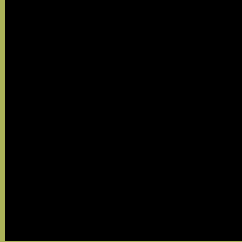
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6194, 0.3774, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 41.6194, 0.3774, 0.4524.



This preview shows how white text looks on a background with the Yxy color 41.6194, 0.3774, 0.4524.

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

41.6194, 0.3774, 0.4524

Protanopia

41.6516, 0.4022, 0.4391

Deuteranopia

41.1901, 0.4237, 0.4144



Tritanopia

41.5771, 0.3126, 0.3118

Trichromacy



Original Color

41.6194, 0.3774, 0.4524

Protanomaly

41.5549, 0.3933, 0.4434

Deuteranomaly

40.8844, 0.4062, 0.4271

Tritanomaly

41.3724, 0.3377, 0.3636

Monochromacy



Original Color

41.6194, 0.3774, 0.4524

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2856, 0.3383, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6194, 0.3774, 0.4524 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, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(171, 179, 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, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 179, 89) }
```

Border

The CSS property to change the border of an element to Yxy 41.6194, 0.3774, 0.4524 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, 179, 89) }
```

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

```
.border{ border-color:rgb(171, 179, 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, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(171, 179,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6194, 0.3774, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 179, 89) }
```

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

```
.background{ background-color: rgb(171,  
179, 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