

Converting Colors

$Yxy(44.8571, 0.3475, 0.5383)$

Have a look what the booklet for
Yxy(44.8571, 0.3475, 0.5383)
contains.

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Color

Yxy(44.8551, 0.3475, 0.5383)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 7CC62C |
| RGB | 124, 198, 44 |
| RGB Percent | 49%, 78%, 17% |
| CMY | 0.5139, 0.2235, 0.8274 |
| CMYK | 0.37, 0.00, 0.78, 0.22 |
| HSL | 89°, 64%, 47% |
| HSV | 89°, 78%, 78% |
| XYZ | 28.9562, 44.8551, 9.5160 |
| YIQ | 158.3180, 5.3300, -63.5820 |

Conversions

Conversions Part 2

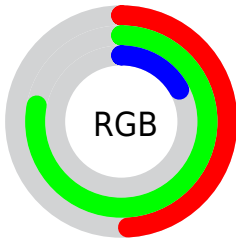
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 44, 198, 118 |
| Decimal | 8177196 |
| CIELab | 72.80, -46.31, 64.34 |
| CIELCh | 73, 79.272, 125.742 |
| Yxy | 44.8551, 0.3475, 0.5383 |
| Android (android.graphics.Color) | 4286367276 (0xFF7CC62C) |
| YUV | 158.3180, -56.3588, -30.0969 |
| Hunter-Lab | 66.9740, -40.0298, 38.4576 |

Details

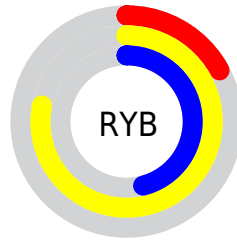
The Yxy color **44.8551, 0.3475, 0.5383** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9.7376, 0.2248, 0.1178**, and the grayscale version is **34.6009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4244, 0.3475, 0.4986**, and **20.8032, 0.3329, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **44.0667, 0.3447, 0.5552**, and if you desaturate by 10%, it is **45.7870, 0.3480, 0.5163**.

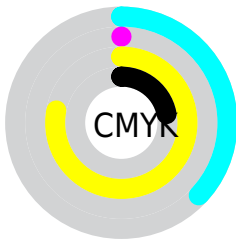
Distribution



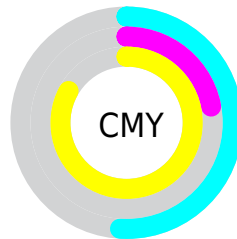
- Red (49%)
- Green (78%)
- Blue (17%)



- Red (17%)
- Yellow (78%)
- Blue (46%)



- Cyan (37%)
- Magenta (0%)
- Yellow (78%)
- Black (22%)





- Cyan (51%)
- Magenta (22%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8551, 0.3475, 0.5383 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 44.8551, 0.3475, 0.5383 by changing the saturation by 10% instead.

 44.8551, 0.3475,
0.5383

 44.8551, 0.3475,
0.5383


366.1864, 0.3389,
0.4294


 31.3433, 0.3457,
0.5646


 82.5029, 0.3471,
0.4989

 20.8604, 0.3409,
0.5969


 107.4078, 0.3461,
0.4839


 13.0220, 0.3306,
0.6371


 136.8791, 0.3449,
0.4712

 7.4437, 0.3107,
0.6893

 171.3012, 0.3437,
0.4604

 3.7411, 0.2644,
0.7356

 211.0586, 0.3424,
0.4511

 1.5298, 0.1238,
0.8762

 256.5357, 0.3412,

 0.3096, 0.0000,

0.4429

1.0000

308.1168, 0.3400,
0.4358

■ 0.0000, 0.0000,
0.0000

■ 44.8551, 0.3475,
0.5383

■ 44.8551, 0.3475,
0.5383

■ 44.0667, 0.3447,
0.5552

■ 45.7870, 0.3480,
0.5163

■ 43.4008, 0.3400,
0.5668

■ 46.8672, 0.3464,
0.4903

■ 43.2642, 0.3389,
0.5691

■ 48.1071, 0.3428,
0.4618

■ 49.5152, 0.3378,
0.4323

■ 51.0992, 0.3318,
0.4029

■ 52.8662, 0.3251,
0.3747

■ 54.8231, 0.3181,
0.3482

■ 56.9761, 0.3112,
0.3237

■ 59.3313, 0.3044,
0.3015

Harmonies

Analogous

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



44.8551, 0.4426, 0.4959



44.8551, 0.3475, 0.5383



44.8551, 0.2489, 0.4905

Triad

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



44.8551, 0.3475, 0.5383



44.8551, 0.1399, 0.1923



44.8551, 0.4637, 0.2781

Complementary

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



44.8551, 0.3475, 0.5383



9.7376, 0.2248, 0.1178

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.



44.8551, 0.3518, 0.2203



44.8551, 0.3475, 0.5383



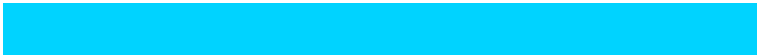
44.8551, 0.1743, 0.1725

Square

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



44.8551, 0.3475, 0.5383



44.8551, 0.1384, 0.2530



44.8551, 0.2453, 0.1832



44.8551, 0.5252, 0.3467

Rectangle

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



44.8551, 0.3475, 0.5383



44.8551, 0.1944, 0.4094



44.8551, 0.2453, 0.1832



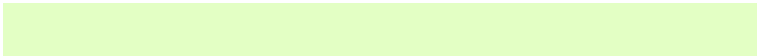
44.8551, 0.4293, 0.2572

Sweetspot

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



44.8571, 0.3475, 0.5383



91.8189, 0.3289, 0.3903



24.6531, 0.4980, 0.4096



19.4137, 0.3313, 0.4008



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.8571, 0.3475, 0.5383



77.2216, 0.3418, 0.5634



41.2321, 0.3031, 0.5699



12.1541, 0.3193, 0.3523



28.1834, 0.3399, 0.5683



1.3774, 0.3556, 0.5558

Inverse Universe

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



9.7376, 0.2248, 0.1178



12.5452, 0.2043, 0.0923



17.2021, 0.3140, 0.1634



10.5335, 0.3057, 0.3056



4.2918, 0.1996, 0.0873



0.2463, 0.2230, 0.1002

Previews

White Background



This preview shows how the Yxy color 44.8551, 0.3475, 0.5383 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 44.8551, 0.3475, 0.5383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

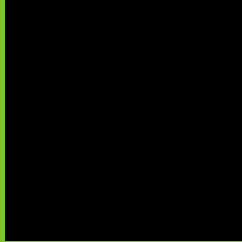
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8551, 0.3475, 0.5383

Background



This preview shows how black text looks on a background with the Yxy color 44.8551, 0.3475, 0.5383.



This preview shows how white text looks on a background with the Yxy color 44.8551, 0.3475, 0.5383.

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

44.8551, 0.3475, 0.5383

Protanopia

44.2666, 0.4325, 0.4774

Deuteranopia

44.2009, 0.4538, 0.4452



Tritanopia

44.4242, 0.2715, 0.3083

Trichromacy



Original Color

44.8551, 0.3475, 0.5383

Protanomaly

43.6287, 0.3992, 0.5010

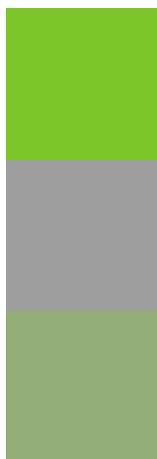
Deuteranomaly

43.3296, 0.4124, 0.4805

Tritanomaly

43.6967, 0.3048, 0.3979

Monochromacy



Original Color

44.8551, 0.3475, 0.5383

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

37.2825, 0.3344, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8551, 0.3475, 0.5383 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(124, 198, 44)` looks like.

```
.text, #text, p{  
    color:rgb(124, 198, 44)  
}
```

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(124, 198, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 198, 44) }
```

Border

The CSS property to change the border of an element to Yxy 44.8551, 0.3475, 0.5383 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(124, 198, 44) }
```

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

```
.border{ border-color:rgb(124, 198, 44) }
```

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

Here you see how a box with a 4 pixel rgb(124, 198, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 198, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 198, 44);  
box-shadow:4px 4px 4px 4px rgb(124, 198,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8551, 0.3475, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 198, 44) }
```

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

```
.background{ background-color: rgb(124,  
198, 44) }
```

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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