

Converting Colors

$Y_{xy}(48.2770, 0.3600, 0.5523)$

Have a look what the booklet for
Yxy(48.2770, 0.3600, 0.5523)
contains.

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Color

Yxy(48.2541, 0.3598, 0.5525)

Conversions

Conversions Part 1

Format	Color
Hex	86CC00
RGB	134, 204, 0
RGB Percent	53%, 80%, 0%
CMY	0.4745, 0.2000, 0.9997
CMYK	0.34, 0.00, 1.00, 0.20
HSL	81°, 100%, 40%
HSV	81°, 100%, 80%
XYZ	31.4241, 48.2541, 7.6595
YIQ	159.8140, 23.7640, -78.2840

Conversions

Conversions Part 2

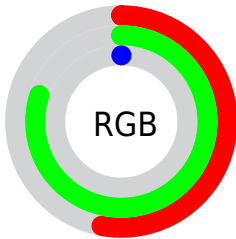
Format	Color
RYB	0, 204, 70
Decimal	8834048
CIELab	74.98, -46.44, 74.31
CIELCh	75, 87.627, 122.004
Yxy	48.2541, 0.3598, 0.5525
Android (android.graphics.Color)	4287024128 (0xFF86CC00)
YUV	159.8140, -78.7883, -22.6389
Hunter-Lab	69.4652, -40.8156, 42.0881

Details

The Yxy color **48.2541, 0.3598, 0.5525** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.6674, 0.1753, 0.0740**, and the grayscale version is **35.4306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4820, 0.3617, 0.5091**, and **22.9907, 0.3382, 0.5697** is the 20% darker color. If you saturate the color by 10%, you get **48.2536, 0.3598, 0.5525**, and if you desaturate by 10%, it is **48.9030, 0.3634, 0.5433**.

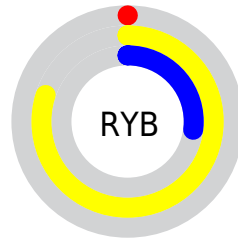
Distribution



Red (53%)

Green (80%)

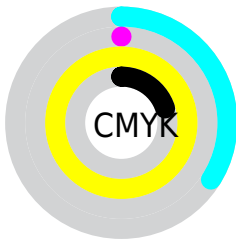
Blue (0%)



Red (0%)

Yellow (80%)

Blue (27%)

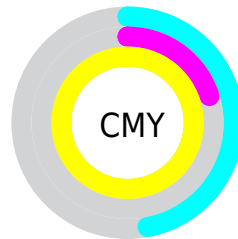


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (47%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2541, 0.3598, 0.5525 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 48.2541, 0.3598, 0.5525 by changing the saturation by 10% instead.


 48.2541, 0.3598,
0.5525

 48.2541, 0.3598,
0.5525


379.7984, 0.3480,
0.4401


 34.0282, 0.3578,
0.5778


 87.5826, 0.3590,
0.5131


 22.9152, 0.3524,
0.6075

 113.4540, 0.3576,
0.4978

 14.5309, 0.3431,
0.6468


 143.9759, 0.3560,
0.4846

 8.4908, 0.3180,
0.6820

 179.5329, 0.3543,
0.4732

 4.4106, 0.2757,
0.7243

 220.5092, 0.3527,
0.4633

 1.9058, 0.1886,
0.8114

 267.2893, 0.3510,

 0.5519, 0.0000,

0.4546

1.0000

320.2576, 0.3495,
0.4469

■ 0.0000, 0.0000,
0.0000

■ 48.2541, 0.3598,
0.5525

■ 48.2541, 0.3598,
0.5525

■ 48.2536, 0.3598,
0.5525

■ 48.9030, 0.3634,
0.5433

■ 49.6436, 0.3650,
0.5297

■ 50.4974, 0.3641,
0.5113

■ 51.4751, 0.3608,
0.4887

■ 52.5858, 0.3554,
0.4631

■ 53.8377, 0.3483,
0.4357

■ 55.2380, 0.3401,
0.4077

■ 56.7934, 0.3311,
0.3801

■ 58.5103, 0.3219,
0.3537

Harmonies

Analogous

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



48.2541, 0.4591, 0.4945



48.2541, 0.3598, 0.5525



48.2541, 0.2549, 0.5184

Triad

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



48.2541, 0.3598, 0.5525



48.2541, 0.1284, 0.1884



48.2541, 0.4620, 0.2655

Complementary

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



48.2541, 0.3598, 0.5525



5.6674, 0.1753, 0.0740

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.



48.2541, 0.3384, 0.2074



48.2541, 0.3598, 0.5525



48.2541, 0.1597, 0.1641

Square

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



48.2541, 0.3598, 0.5525



48.2541, 0.1306, 0.2580



48.2541, 0.2287, 0.1720



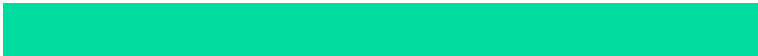
48.2541, 0.5369, 0.3356

Rectangle

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



48.2541, 0.3598, 0.5525



48.2541, 0.1949, 0.4342



48.2541, 0.2287, 0.1720



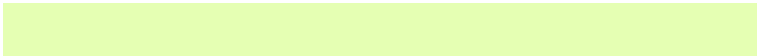
48.2541, 0.4229, 0.2442

Sweetspot

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



48.2562, 0.3598, 0.5525



91.3691, 0.3405, 0.4089



16.9796, 0.5888, 0.3706



19.3392, 0.3441, 0.4208



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.



48.2562, 0.3598, 0.5525



79.7849, 0.3591, 0.5531



43.5296, 0.3048, 0.5962



12.8964, 0.3214, 0.3523



30.4230, 0.3606, 0.5519



1.6104, 0.3723, 0.5426

Inverse Universe

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



5.6674, 0.1753, 0.0740



9.2727, 0.1741, 0.0733



12.9098, 0.2788, 0.1310



11.0281, 0.3035, 0.3054



3.6111, 0.1766, 0.0747



0.2281, 0.1991, 0.0870

Previews

White Background



This preview shows how the Yxy color 48.2541, 0.3598, 0.5525 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 48.2541, 0.3598, 0.5525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

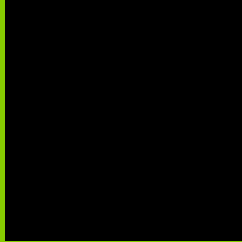
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2541, 0.3598, 0.5525

Background



This preview shows how black text looks on a background with the Yxy color 48.2541, 0.3598, 0.5525.



This preview shows how white text looks on a background with the Yxy color 48.2541, 0.3598, 0.5525.

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

48.2541, 0.3598, 0.5525

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

47.4075, 0.4642, 0.4542



Tritanopia

48.2033, 0.2754, 0.3091

Trichromacy



Original Color

48.2541, 0.3598, 0.5525

Protanomaly

46.9649, 0.4093, 0.5132

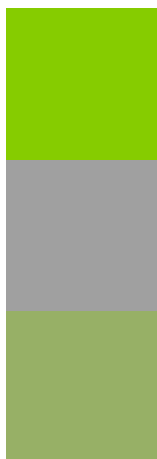
Deuteranomaly

46.5039, 0.4260, 0.4918

Tritanomaly

46.8450, 0.3214, 0.4231

Monochromacy



Original Color

48.2541, 0.3598, 0.5525

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

38.5893, 0.3500, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2541, 0.3598, 0.5525 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(134, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 204, 0)  
}
```

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(134, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.2541, 0.3598, 0.5525 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(134, 204, 0) }
```

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

```
.border{ border-color:rgb(134, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(134, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2541, 0.3598, 0.5525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 204, 0) }
```

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

```
.background{ background-color: rgb(134,  
204, 0) }
```

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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