

Converting Colors

Yxy(48.9426, 0.3662, 0.5474)

Have a look what the booklet for
Yxy(48.9426, 0.3662, 0.5474)
contains.

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Color

Yxy(48.9365, 0.3663, 0.5474)

Conversions

Conversions Part 1

Format	Color
Hex	8ECC00
RGB	142, 204, 0
RGB Percent	56%, 80%, 0%
CMY	0.4432, 0.2000, 1.0000
CMYK	0.30, 0.00, 1.00, 0.20
HSL	78°, 100%, 40%
HSV	78°, 100%, 80%
XYZ	32.7465, 48.9365, 7.7151
YIQ	162.2060, 28.5320, -76.5880

Conversions

Conversions Part 2

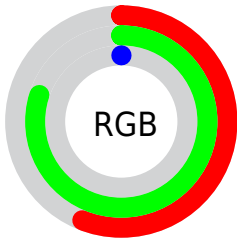
Format	Color
RYB	0, 204, 62
Decimal	9358336
CIELab	75.41, -43.50, 74.85
CIELCh	75, 86.567, 120.163
Yxy	48.9365, 0.3663, 0.5474
Android (android.graphics.Color)	4287548416 (0xFF8ECC00)
YUV	162.2060, -79.9676, -17.7207
Hunter-Lab	69.9546, -38.8628, 42.4294

Details

The Yxy color **48.9365, 0.3663, 0.5474** 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 **5.3846, 0.1701, 0.0711**, and the grayscale version is **36.6062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5620, 0.3672, 0.5056**, and **23.3797, 0.3468, 0.5629** is the 20% darker color. If you saturate the color by 10%, you get **48.9390, 0.3663, 0.5474**, and if you desaturate by 10%, it is **49.5548, 0.3693, 0.5387**.

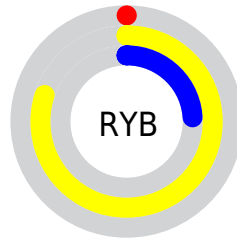
Distribution



Red (56%)

Green (80%)

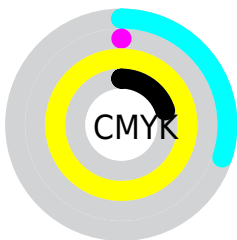
Blue (0%)



Red (0%)

Yellow (80%)

Blue (24%)

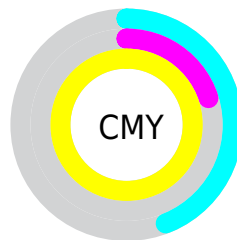


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (44%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9365, 0.3663, 0.5474 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 48.9365, 0.3663, 0.5474 by changing the saturation by 10% instead.


 48.9365, 0.3663,
0.5474


 48.9365, 0.3663,
0.5474


382.4923, 0.3511,
0.4386

 34.5691, 0.3652,
0.5715


 88.5971, 0.3643,
0.5096


 23.3311, 0.3609,
0.5997


 114.6592, 0.3624,
0.4947


 14.8382, 0.3531,
0.6366


 145.3882, 0.3605,
0.4820

 8.7059, 0.3304,
0.6696

 181.1686, 0.3584,
0.4709

 4.5499, 0.2914,
0.7086

 222.3849, 0.3565,
0.4613

 1.9857, 0.2199,
0.7801

 269.4213, 0.3546,

 0.5991, 0.0000,

0.4528

1.0000

322.6623, 0.3528,
0.4453

■ 0.0000, 0.0000,
0.0000

■ 48.9365, 0.3663,
0.5474

■ 48.9365, 0.3663,
0.5474

■ 48.9390, 0.3663,
0.5474

■ 49.5548, 0.3693,
0.5387

■ 50.2565, 0.3704,
0.5259

■ 51.0632, 0.3689,
0.5083

■ 51.9856, 0.3649,
0.4865

■ 53.0324, 0.3588,
0.4616

■ 54.2117, 0.3510,
0.4348

■ 55.5305, 0.3421,
0.4073

■ 56.9954, 0.3325,
0.3800

■ 58.6124, 0.3226,
0.3538

Harmonies

Analogous

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



48.9365, 0.4631, 0.4882



48.9365, 0.3663, 0.5474



48.9365, 0.2623, 0.5203

Triad

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



48.9365, 0.3663, 0.5474



48.9365, 0.1298, 0.1932



48.9365, 0.4529, 0.2626

Complementary

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



48.9365, 0.3663, 0.5474



5.3846, 0.1701, 0.0711

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.



48.9365, 0.3306, 0.2061



48.9365, 0.3663, 0.5474



48.9365, 0.1587, 0.1666

Square

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



48.9365, 0.3663, 0.5474



48.9365, 0.1341, 0.2654



48.9365, 0.2246, 0.1726



48.9365, 0.5312, 0.3317

Rectangle

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



48.9365, 0.3663, 0.5474



48.9365, 0.2016, 0.4410



48.9365, 0.2246, 0.1726



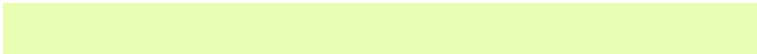
48.9365, 0.4137, 0.2418

Sweetspot

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



48.9390, 0.3663, 0.5474



91.8677, 0.3425, 0.4084



16.1974, 0.5973, 0.3639



19.4585, 0.3464, 0.4201



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.



48.9390, 0.3663, 0.5474



80.9241, 0.3656, 0.5479



43.6562, 0.3066, 0.5948



12.9189, 0.3220, 0.3522



30.8512, 0.3670, 0.5468



1.6302, 0.3776, 0.5384

Inverse Universe

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



5.3846, 0.1701, 0.0711



8.8193, 0.1690, 0.0705



12.1682, 0.2704, 0.1263



11.0066, 0.3029, 0.3054



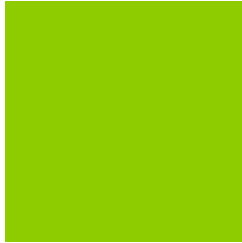
3.4320, 0.1714, 0.0718



0.2171, 0.1933, 0.0839

Previews

White Background



This preview shows how the Yxy color 48.9365, 0.3663, 0.5474 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 48.9365, 0.3663, 0.5474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

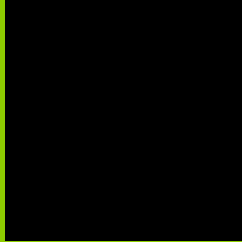
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9365, 0.3663, 0.5474

Background



This preview shows how black text looks on a background with the Yxy color 48.9365, 0.3663, 0.5474.



This preview shows how white text looks on a background with the Yxy color 48.9365, 0.3663, 0.5474.

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

48.9365, 0.3663, 0.5474

Protanopia

48.2532, 0.4412, 0.4878

Deuteranopia

48.1301, 0.4649, 0.4539



Tritanopia

48.9161, 0.2804, 0.3094

Trichromacy



Original Color

48.9365, 0.3663, 0.5474

Protanomaly

48.0136, 0.4130, 0.5103

Deuteranomaly

47.4674, 0.4288, 0.4898

Tritanomaly

47.6105, 0.3279, 0.4212

Monochromacy



Original Color

48.9365, 0.3663, 0.5474

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

39.3921, 0.3527, 0.4384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9365, 0.3663, 0.5474 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(142, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 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(142, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.9365, 0.3663, 0.5474 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(142, 204, 0) }
```

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

```
.border{ border-color:rgb(142, 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(142, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9365, 0.3663, 0.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 204, 0) }
```

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

```
.background{ background-color: rgb(142,  
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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