

Converting Colors

$Y_{xy}(47.2720, 0.3611, 0.5455)$

Have a look what the booklet for
Yxy(47.2720, 0.3611, 0.5455)
contains.

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Color

Yxy(47.0545, 0.3612, 0.5454)

Conversions

Conversions Part 1

Format	Color
Hex	88C913
RGB	136, 201, 19
RGB Percent	53%, 79%, 7%
CMY	0.4665, 0.2118, 0.9253
CMYK	0.32, 0.00, 0.91, 0.21
HSL	81°, 83%, 43%
HSV	81°, 91%, 79%
XYZ	31.1626, 47.0545, 8.0581
YIQ	160.8170, 19.6820, -70.3820

Conversions

Conversions Part 2

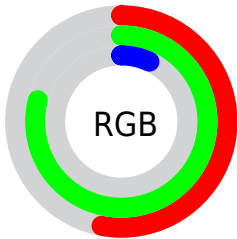
Format	Color
RYB	19, 201, 84
Decimal	8964371
CIELab	74.22, -44.12, 71.59
CIELCh	74, 84.096, 121.648
Yxy	47.0545, 0.3612, 0.5454
Android (android.graphics.Color)	4287154451 (0xFF88C913)
YUV	160.8170, -69.9158, -21.7645
Hunter-Lab	68.5963, -38.9527, 41.0525

Details

The Yxy color **47.0545, 0.3612, 0.5454** 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 **6.5703, 0.1880, 0.0856**, and the grayscale version is **35.8832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6939, 0.3607, 0.5051**, and **22.1775, 0.3426, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **46.4573, 0.3576, 0.5543**, and if you desaturate by 10%, it is **47.7783, 0.3631, 0.5318**.

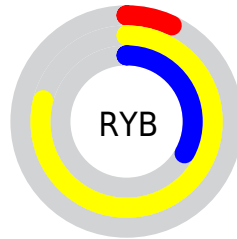
Distribution



Red (53%)

Green (79%)

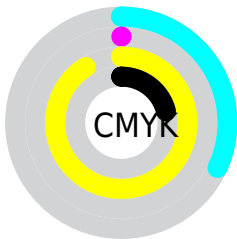
Blue (7%)



Red (7%)

Yellow (79%)

Blue (33%)

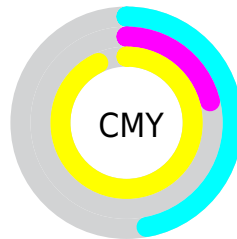


Cyan (32%)

Magenta (0%)

Yellow (91%)

Black (21%)



Cyan (47%)


Magenta (21%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0545, 0.3612, 0.5454 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 47.0545, 0.3612, 0.5454 by changing the saturation by 10% instead.

 47.0545, 0.3612,
0.5454

 47.0545, 0.3612,
0.5454


375.0320, 0.3477,
0.4359

 33.0787, 0.3599,
0.5703


 85.7950, 0.3596,
0.5068

 22.1868, 0.3554,
0.6000


 111.3285, 0.3579,
0.4918


 13.9942, 0.3469,
0.6383


 141.4833, 0.3561,
0.4790

 8.1166, 0.3242,
0.6758

 176.6440, 0.3543,
0.4680

 4.1697, 0.2825,
0.7175

 217.1948, 0.3525,
0.4584

 1.7689, 0.1917,
0.8083

 263.5201, 0.3508,

 0.4677, 0.0000,

0.4500

1.0000

316.0044, 0.3492,
0.4425

■ 0.0000, 0.0000,
0.0000

■ 47.0545, 0.3612,
0.5454

■ 47.0545, 0.3612,
0.5454

■ 46.4573, 0.3576,
0.5543

■ 47.7783, 0.3631,
0.5318

■ 48.6116, 0.3626,
0.5134

■ 49.5670, 0.3596,
0.4907

■ 50.6534, 0.3545,
0.4650

■ 51.8789, 0.3478,
0.4375

■ 53.2505, 0.3398,
0.4094

■ 54.7748, 0.3312,
0.3817

■ 56.4579, 0.3222,
0.3551

■ 58.3056, 0.3132,
0.3302

Harmonies

Analogous

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



47.0545, 0.4576, 0.4905



47.0545, 0.3612, 0.5454



47.0545, 0.2585, 0.5124

Triad

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



47.0545, 0.3612, 0.5454



47.0545, 0.1324, 0.1928



47.0545, 0.4561, 0.2668

Complementary

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



47.0545, 0.3612, 0.5454



6.5703, 0.1880, 0.0856

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.



47.0545, 0.3365, 0.2099



47.0545, 0.3612, 0.5454



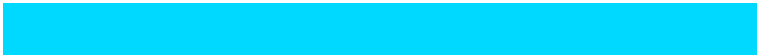
47.0545, 0.1628, 0.1681

Square

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



47.0545, 0.3612, 0.5454



47.0545, 0.1352, 0.2618



47.0545, 0.2301, 0.1754



47.0545, 0.5298, 0.3358

Rectangle

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



47.0545, 0.3612, 0.5454



47.0545, 0.1995, 0.4322



47.0545, 0.2301, 0.1754



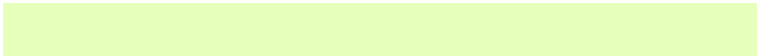
47.0545, 0.4182, 0.2459

Sweetspot

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



47.0566, 0.3612, 0.5454



91.9638, 0.3372, 0.4006



18.6108, 0.5606, 0.3825



19.4977, 0.3401, 0.4103



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.



47.0566, 0.3612, 0.5454



79.4079, 0.3568, 0.5549



42.4081, 0.3068, 0.5874



12.2203, 0.3211, 0.3522



29.2646, 0.3585, 0.5536



1.4253, 0.3714, 0.5433

Inverse Universe

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



6.5703, 0.1880, 0.0856



9.4464, 0.1760, 0.0743



13.6497, 0.2868, 0.1390



10.4686, 0.3037, 0.3055



3.5591, 0.1787, 0.0758



0.2092, 0.2030, 0.0892

Previews

White Background



This preview shows how the Yxy color 47.0545, 0.3612, 0.5454 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 47.0545, 0.3612, 0.5454 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 47.0545, 0.3612, 0.5454

Background



This preview shows how black text looks on a background with the Yxy color 47.0545, 0.3612, 0.5454.



This preview shows how white text looks on a background with the Yxy color 47.0545, 0.3612, 0.5454.

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

47.0545, 0.3612, 0.5454

Protanopia

46.4548, 0.4397, 0.4868

Deuteranopia

46.3302, 0.4635, 0.4522



Tritanopia

46.8728, 0.2778, 0.3089

Trichromacy



Original Color

47.0545, 0.3612, 0.5454

Protanomaly

46.1275, 0.4096, 0.5094

Deuteranomaly

45.5846, 0.4248, 0.4874

Tritanomaly

45.8381, 0.3199, 0.4117

Monochromacy



Original Color

47.0545, 0.3612, 0.5454

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

38.8302, 0.3456, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0545, 0.3612, 0.5454 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(136, 201, 19)` looks like.

```
.text, #text, p{  
    color:rgb(136, 201, 19)  
}
```

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(136, 201, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 201, 19) }
```

Border

The CSS property to change the border of an element to Yxy 47.0545, 0.3612, 0.5454 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(136, 201, 19) }
```

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

```
.border{ border-color:rgb(136, 201, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 201, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 201, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 201, 19);  
box-shadow:4px 4px 4px 4px rgb(136, 201,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0545, 0.3612, 0.5454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 201, 19) }
```

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

```
.background{ background-color: rgb(136,  
201, 19) }
```

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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