

Converting Colors

$Yxy(48.7935, 0.3350, 0.4735)$

Have a look what the booklet for
Yxy(48.7935, 0.3350, 0.4735)
contains.

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Color

Yxy(48.9119, 0.3352, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	8ECA64
RGB	142, 202, 100
RGB Percent	56%, 79%, 39%
CMY	0.4430, 0.2079, 0.6078
CMYK	0.30, 0.00, 0.50, 0.21
HSL	95°, 49%, 59%
HSV	95°, 50%, 79%
XYZ	34.5819, 48.9119, 19.6741
YIQ	172.4320, -3.0180, -44.4420

Conversions

Conversions Part 2

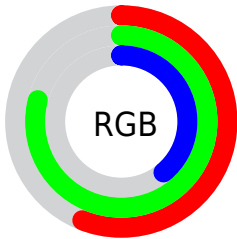
Format	Color
RYB	100, 202, 160
Decimal	9357924
CIELab	75.40, -37.00, 44.51
CIELCh	75, 57.882, 129.736
Yxy	48.9119, 0.3352, 0.4741
Android (android.graphics.Color)	4287548004 (0xFF8ECA64)
YUV	172.4320, -35.7090, -26.6889
Hunter-Lab	69.9370, -34.1267, 32.2770

Details

The Yxy color **48.9119, 0.3352, 0.4741** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.8467, 0.2728, 0.1915**, and the grayscale version is **41.6767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8257, 0.3342, 0.4426**, and **23.1639, 0.3354, 0.5175** is the 20% darker color. If you saturate the color by 10%, you get **47.5749, 0.3367, 0.5038**, and if you desaturate by 10%, it is **50.4620, 0.3322, 0.4431**.

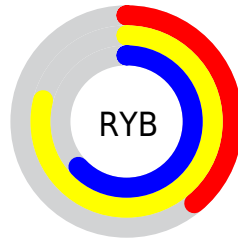
Distribution



Red (56%)

Green (79%)

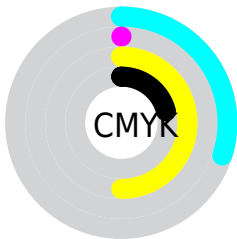
Blue (39%)



Red (39%)

Yellow (79%)

Blue (63%)

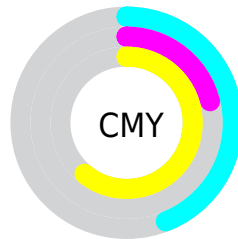


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (21%)



Cyan (44%)


Magenta (21%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9119, 0.3352, 0.4741 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 48.9119, 0.3352, 0.4741 by changing the saturation by 10% instead.


 48.9119, 0.3352,
0.4741


 48.9119, 0.3352,
0.4741


382.3954, 0.3276,
0.3986

 34.5496, 0.3356,
0.4933


 88.5606, 0.3334,
0.4462


 23.3161, 0.3353,
0.5180


 114.6158, 0.3325,
0.4359

 14.8271, 0.3330,
0.5504

 145.3374, 0.3315,
0.4272

 8.6981, 0.3263,
0.5940

 181.1098, 0.3306,
0.4198

 4.5448, 0.3213,
0.6787

222.3174, 0.3298,
0.4134

 1.9828, 0.2655,
0.7345

269.3446, 0.3290,

 0.5974, 0.0000,

0.4078

1.0000

322.5758, 0.3283,
0.4029

0.0000, 0.0000,
0.0000

48.9119, 0.3352,
0.4741

48.9119, 0.3352,
0.4741

47.5749, 0.3367,
0.5038

50.4620, 0.3322,
0.4431

46.4338, 0.3364,
0.5307

52.2287, 0.3282,
0.4124

45.4787, 0.3342,
0.5529

54.2234, 0.3234,
0.3829

44.6959, 0.3301,
0.5694

56.4545, 0.3183,
0.3554

44.0904, 0.3251,
0.5801

58.9302, 0.3130,
0.3302

■ 61.6583, 0.3077,
0.3074

■ 64.6460, 0.3026,
0.2870

■ 67.4681, 0.3021,
0.2750

■ 69.5802, 0.3107,
0.2764

Harmonies

Analogous

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



48.9119, 0.4073, 0.4621



48.9119, 0.3352, 0.4741



48.9119, 0.2611, 0.4286

Triad

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



48.9119, 0.3352, 0.4741



48.9119, 0.1822, 0.2242



48.9119, 0.4290, 0.3008

Complementary

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



48.9119, 0.3352, 0.4741



20.8467, 0.2728, 0.1915

Split Complementary

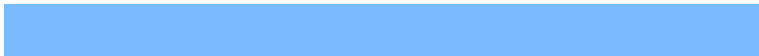
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.9119, 0.3536, 0.2525



48.9119, 0.3352, 0.4741



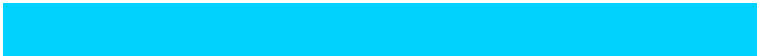
48.9119, 0.2143, 0.2095

Square

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



48.9119, 0.3352, 0.4741



48.9119, 0.1786, 0.2693



48.9119, 0.2740, 0.2202



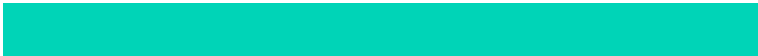
48.9119, 0.4683, 0.3574

Rectangle

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



48.9119, 0.3352, 0.4741



48.9119, 0.2207, 0.3741



48.9119, 0.2740, 0.2202



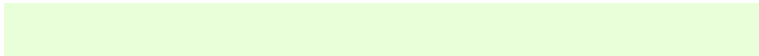
48.9119, 0.4064, 0.2834

Sweetspot

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



48.9140, 0.3352, 0.4741



93.7594, 0.3207, 0.3681



38.4437, 0.4120, 0.4047



19.8971, 0.3218, 0.3740



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.



48.9140, 0.3352, 0.4741



80.2767, 0.3368, 0.5076



46.0417, 0.3006, 0.4755



12.7590, 0.3177, 0.3525



28.4224, 0.3261, 0.5793



1.5104, 0.3418, 0.5668

Inverse Universe

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



20.8467, 0.2728, 0.1915



27.2895, 0.2606, 0.1616



25.5427, 0.3277, 0.2169



11.1643, 0.3073, 0.3057



5.3086, 0.2212, 0.0992



0.3177, 0.2404, 0.1098

Previews

White Background



This preview shows how the Yxy color 48.9119, 0.3352, 0.4741 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 48.9119, 0.3352, 0.4741 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 48.9119, 0.3352, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 48.9119, 0.3352, 0.4741.



This preview shows how white text looks on a background with the Yxy color 48.9119, 0.3352, 0.4741.

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

48.9119, 0.3352, 0.4741

Protanopia

48.3434, 0.4017, 0.4387

Deuteranopia

48.0988, 0.4182, 0.4090



Tritanopia

48.5522, 0.2769, 0.3079

Trichromacy



Original Color

48.9119, 0.3352, 0.4741

Protanomaly

47.9299, 0.3756, 0.4524

Deuteranomaly

47.2995, 0.3863, 0.4314

Tritanomaly

48.0490, 0.2993, 0.3667

Monochromacy



Original Color

48.9119, 0.3352, 0.4741

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.5194, 0.3230, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9119, 0.3352, 0.4741 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, 202, 100)` looks like.

```
.text, #text, p{  
    color:rgb(142, 202, 100)  
}
```

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, 202, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 202, 100) }
```

Border

The CSS property to change the border of an element to Yxy 48.9119, 0.3352, 0.4741 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, 202, 100) }
```

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

```
.border{ border-color:rgb(142, 202, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 202, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 202, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 202, 100); box-shadow:4px 4px 4px 4px rgb(142, 202, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9119, 0.3352, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 202, 100) }
```

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

```
.background{ background-color: rgb(142,  
202, 100) }
```

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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