

Converting Colors

$Y_{xy}(47.9705, 0.3620, 0.5148)$

Have a look what the booklet for
Yxy(47.9705, 0.3620, 0.5148)
contains.

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Color

Yxy(48.0036, 0.3624, 0.5145)

Conversions

Conversions Part 1

Format	Color
Hex	95C83A
RGB	149, 200, 58
RGB Percent	58%, 78%, 23%
CMY	0.4157, 0.2157, 0.7726
CMYK	0.26, 0.00, 0.71, 0.22
HSL	82°, 56%, 51%
HSV	82°, 71%, 78%
XYZ	33.8124, 48.0036, 11.4854
YIQ	168.5630, 15.1860, -54.9740

Conversions

Conversions Part 2

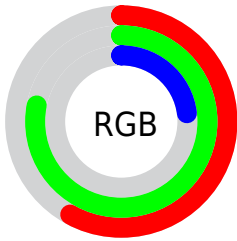
Format	Color
RYB	58, 200, 109
Decimal	9816122
CIELab	74.83, -37.21, 62.10
CIElCh	75, 72.397, 120.933
Yxy	48.0036, 0.3624, 0.5145
Android (android.graphics.Color)	4288006202 (0xFF95C83A)
YUV	168.5630, -54.5076, -17.1568
Hunter-Lab	69.2846, -34.1361, 38.6707

Details

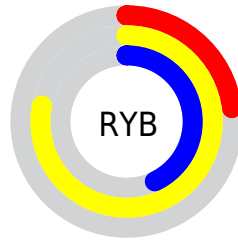
The Yxy color **48.0036, 0.3624, 0.5145** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.4474, 0.2162, 0.1238**, and the grayscale version is **39.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8567, 0.3585, 0.4791**, and **22.8849, 0.3581, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **47.1852, 0.3628, 0.5328**, and if you desaturate by 10%, it is **48.9470, 0.3596, 0.4920**.

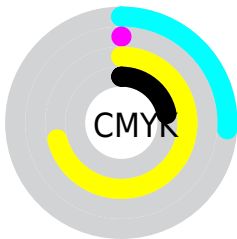
Distribution



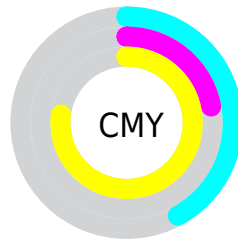
- Red (58%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (43%)



- Cyan (26%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)




- Cyan (42%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0036, 0.3624, 0.5145 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 48.0036, 0.3624, 0.5145 by changing the saturation by 10% instead.

 48.0036, 0.3624,
0.5145


 48.0036, 0.3624,
0.5145


378.8064, 0.3449,
0.4202

 33.8297, 0.3636,
0.5368


 87.2098, 0.3583,
0.4808


 22.7628, 0.3630,
0.5641


 113.0109, 0.3560,
0.4678


 14.4185, 0.3586,
0.5972


 143.4565, 0.3538,
0.4569

 8.4123, 0.3522,
0.6478

 178.9310, 0.3517,
0.4474

 4.3599, 0.3179,
0.6821

 219.8189, 0.3498,
0.4392

 1.8768, 0.2577,
0.7423

266.5045, 0.3480,

 0.5344, 0.0000,

0.4321

1.0000

319.3722, 0.3464,
0.4258

■ 0.0000, 0.0000,
0.0000

■ 48.0036, 0.3624,
0.5145

■ 48.0036, 0.3624,
0.5145

■ 47.1852, 0.3628,
0.5328

■ 48.9470, 0.3596,
0.4920

■ 46.4749, 0.3607,
0.5461

■ 50.0178, 0.3546,
0.4663

■ 45.9131, 0.3573,
0.5545

■ 51.2262, 0.3480,
0.4388

■ 52.5791, 0.3401,
0.4107

■ 54.0833, 0.3315,
0.3830

■ 55.7446, 0.3226,
0.3564

■ 57.5689, 0.3136,
0.3314

■ 59.5615, 0.3049,
0.3083

■ 61.7274, 0.2965,
0.2872

Harmonies

Analogous

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



48.0036, 0.4461, 0.4737



48.0036, 0.3624, 0.5145



48.0036, 0.2709, 0.4836

Triad

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



48.0036, 0.3624, 0.5145



48.0036, 0.1515, 0.2114



48.0036, 0.4337, 0.2743

Complementary

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



48.0036, 0.3624, 0.5145



10.4474, 0.2162, 0.1238

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.



48.0036, 0.3319, 0.2227



48.0036, 0.3624, 0.5145



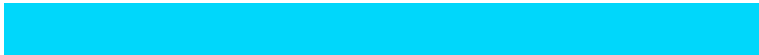
48.0036, 0.1788, 0.1865

Square

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



48.0036, 0.3624, 0.5145



48.0036, 0.1559, 0.2755



48.0036, 0.2394, 0.1918



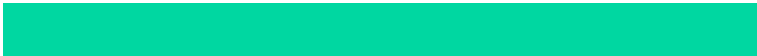
48.0036, 0.4993, 0.3378

Rectangle

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



48.0036, 0.3624, 0.5145



48.0036, 0.2175, 0.4190



48.0036, 0.2394, 0.1918



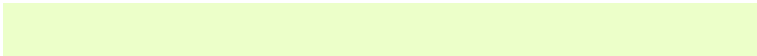
48.0036, 0.4014, 0.2553

Sweetspot

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



48.0057, 0.3624, 0.5145



93.5513, 0.3318, 0.3838



23.2473, 0.4980, 0.3870



19.8624, 0.3342, 0.3915



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.



48.0057, 0.3624, 0.5145



81.0266, 0.3620, 0.5404



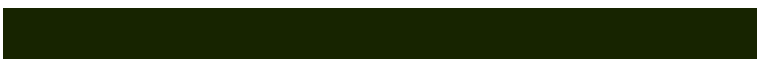
43.2911, 0.3122, 0.5479



12.2192, 0.3211, 0.3522



29.2437, 0.3581, 0.5538



1.4244, 0.3711, 0.5436

Inverse Universe

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



10.4474, 0.2162, 0.1238



12.3420, 0.1939, 0.0922



16.7445, 0.2944, 0.1618



10.4697, 0.3038, 0.3055



3.5696, 0.1790, 0.0760



0.2098, 0.2033, 0.0894

Previews

White Background



This preview shows how the Yxy color 48.0036, 0.3624, 0.5145 looks on a white background.

Color Contrast Check

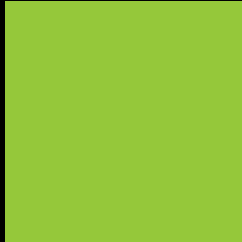
Large Text (above 18pt) WCAG AA × Fail

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 48.0036, 0.3624, 0.5145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

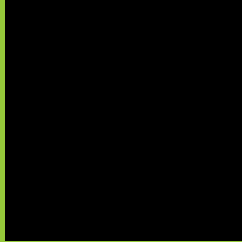
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0036, 0.3624, 0.5145

Background



This preview shows how black text looks on a background with the Yxy color 48.0036, 0.3624, 0.5145.



This preview shows how white text looks on a background with the Yxy color 48.0036, 0.3624, 0.5145.

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

48.0036, 0.3624, 0.5145

Protanopia

47.6691, 0.4269, 0.4704

Deuteranopia

47.3475, 0.4495, 0.4388



Tritanopia

47.9119, 0.2851, 0.3094

Trichromacy



Original Color

48.0036, 0.3624, 0.5145

Protanomaly

47.4170, 0.4022, 0.4877

Deuteranomaly

46.5165, 0.4175, 0.4660

Tritanomaly

47.3749, 0.3180, 0.3878

Monochromacy



Original Color

48.0036, 0.3624, 0.5145

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.9089, 0.3380, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0036, 0.3624, 0.5145 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(149, 200, 58)` looks like.

```
.text, #text, p{  
    color:rgb(149, 200, 58)  
}
```

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(149, 200, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 200, 58) }
```

Border

The CSS property to change the border of an element to Yxy 48.0036, 0.3624, 0.5145 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(149, 200, 58) }
```

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

```
.border{ border-color:rgb(149, 200, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 200, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 200, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 200, 58);  
box-shadow:4px 4px 4px 4px rgb(149, 200,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0036, 0.3624, 0.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 200, 58) }
```

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

```
.background{ background-color: rgb(149,  
200, 58) }
```

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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