

Converting Colors

$Yxy(47.9389, 0.3507, 0.5167)$

Have a look what the booklet for
Yxy(47.9389, 0.3507, 0.5167)
contains.

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Color

Yxy(48.0032, 0.3504, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	8ACA3F
RGB	138, 202, 63
RGB Percent	54%, 79%, 25%
CMY	0.4587, 0.2079, 0.7530
CMYK	0.32, 0.00, 0.69, 0.21
HSL	88°, 57%, 52%
HSV	88°, 69%, 79%
XYZ	32.5030, 48.0032, 12.2536
YIQ	167.0180, 6.4750, -56.7970

Conversions

Conversions Part 2

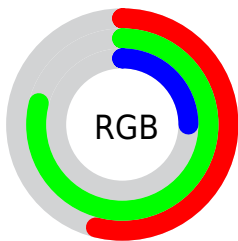
Format	Color
RYB	63, 202, 127
Decimal	9095743
CIELab	74.83, -41.85, 60.04
CIELCh	75, 73.183, 124.877
Yxy	48.0032, 0.3504, 0.5175
Android (android.graphics.Color)	4287285823 (0xFF8ACA3F)
YUV	167.0180, -51.2809, -25.4488
Hunter-Lab	69.2843, -37.5087, 38.0131

Details

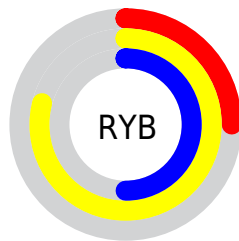
The Yxy color **48.0032, 0.3504, 0.5175** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **12.3274, 0.2337, 0.1360**, and the grayscale version is **38.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4301, 0.3493, 0.4793**, and **22.6613, 0.3460, 0.5635** is the 20% darker color. If you saturate the color by 10%, you get **47.0599, 0.3499, 0.5387**, and if you desaturate by 10%, it is **49.1014, 0.3487, 0.4922**.

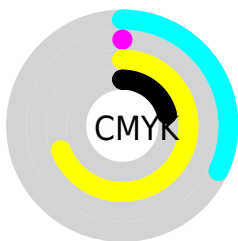
Distribution



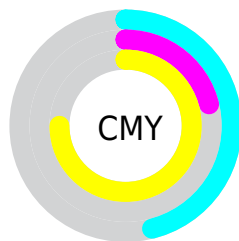
- Red (54%)
- Green (79%)
- Blue (25%)



- Red (25%)
- Yellow (79%)
- Blue (50%)



- Cyan (32%)
- Magenta (0%)
- Yellow (69%)
- Black (21%)




- Cyan (46%)
- Magenta (21%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0032, 0.3504, 0.5175 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 48.0032, 0.3504, 0.5175 by changing the saturation by 10% instead.


 48.0032, 0.3504,
0.5175


 48.0032, 0.3504,
0.5175


378.8048, 0.3386,
0.4204

 33.8294, 0.3503,
0.5411


 87.2092, 0.3482,
0.4824


 22.7626, 0.3482,
0.5702


 113.0101, 0.3468,
0.4691


 14.4183, 0.3421,
0.6063


 143.4557, 0.3452,
0.4578

 8.4122, 0.3348,
0.6652

 178.9301, 0.3438,
0.4481

 4.3598, 0.2962,
0.7038

 219.8178, 0.3424,
0.4398

 1.8768, 0.2230,
0.7770

266.5032, 0.3410,

 0.5344, 0.0000,

0.4325

1.0000

319.3708, 0.3398,
0.4261

0.0000, 0.0000,
0.0000

48.0032, 0.3504,
0.5175

48.0032, 0.3504,
0.5175

47.0599, 0.3499,
0.5387

49.1014, 0.3487,
0.4922

46.2540, 0.3471,
0.5547

50.3579, 0.3450,
0.4643

45.5701, 0.3424,
0.5656

51.7836, 0.3398,
0.4351

45.4945, 0.3418,
0.5668

53.3864, 0.3335,
0.4058

55.1738, 0.3265,
0.3775

■ 57.1526, 0.3192,
0.3509

■ 59.3294, 0.3119,
0.3262

■ 61.7102, 0.3047,
0.3037

■ 64.3009, 0.2978,
0.2833

Harmonies

Analogous

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



48.0032, 0.4372, 0.4826



48.0032, 0.3504, 0.5175



48.0032, 0.2588, 0.4749

Triad

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



48.0032, 0.3504, 0.5175



48.0032, 0.1520, 0.2049



48.0032, 0.4468, 0.2816

Complementary

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



48.0032, 0.3504, 0.5175



12.3274, 0.2337, 0.1360

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.



48.0032, 0.3458, 0.2276



48.0032, 0.3504, 0.5175



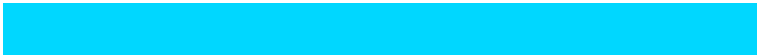
48.0032, 0.1837, 0.1843

Square

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



48.0032, 0.3504, 0.5175



48.0032, 0.1521, 0.2637



48.0032, 0.2492, 0.1934



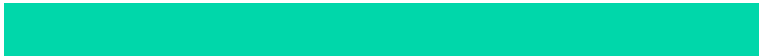
48.0032, 0.5052, 0.3464

Rectangle

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



48.0032, 0.3504, 0.5175



48.0032, 0.2074, 0.4048



48.0032, 0.2492, 0.1934



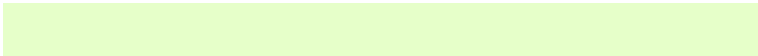
48.0032, 0.4156, 0.2620

Sweetspot

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



48.0053, 0.3504, 0.5175



92.6407, 0.3282, 0.3844



27.7210, 0.4753, 0.4035



19.6455, 0.3302, 0.3923



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.



48.0053, 0.3504, 0.5175



78.9264, 0.3486, 0.5479



43.8991, 0.3055, 0.5466



12.8302, 0.3196, 0.3524



29.3293, 0.3427, 0.5661



1.5579, 0.3571, 0.5547

Inverse Universe

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



12.3274, 0.2337, 0.1360



14.6134, 0.2128, 0.1041



19.4271, 0.3116, 0.1732



11.0926, 0.3053, 0.3055



4.2916, 0.1956, 0.0851



0.2663, 0.2177, 0.0973

Previews

White Background



This preview shows how the Yxy color 48.0032, 0.3504, 0.5175 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 48.0032, 0.3504, 0.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

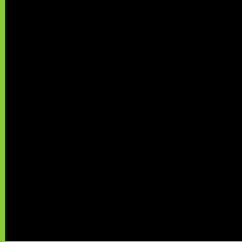
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0032, 0.3504, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 48.0032, 0.3504, 0.5175.



This preview shows how white text looks on a background with the Yxy color 48.0032, 0.3504, 0.5175.

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

48.0032, 0.3504, 0.5175

Protanopia

47.5656, 0.4242, 0.4683

Deuteranopia

47.2471, 0.4457, 0.4356



Tritanopia

47.9229, 0.2774, 0.3091

Trichromacy



Original Color

48.0032, 0.3504, 0.5175

Protanomaly

47.4116, 0.3957, 0.4872

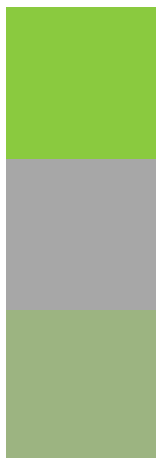
Deuteranomaly

46.3128, 0.4094, 0.4657

Tritanomaly

47.3675, 0.3076, 0.3874

Monochromacy



Original Color

48.0032, 0.3504, 0.5175

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.2954, 0.3325, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0032, 0.3504, 0.5175 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(138, 202, 63)` looks like.

```
.text, #text, p{  
    color:rgb(138, 202, 63)  
}
```

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(138, 202, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 202, 63) }
```

Border

The CSS property to change the border of an element to Yxy 48.0032, 0.3504, 0.5175 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(138, 202, 63) }
```

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

```
.border{ border-color:rgb(138, 202, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 202, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 202, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 202, 63);  
box-shadow:4px 4px 4px 4px rgb(138, 202,  
63) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 48.0032, 0.3504, 0.5175$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 202, 63) }
```

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

```
.background{ background-color: rgb(138,  
202, 63) }
```

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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