

Converting Colors

Yxy(47.9486, 0.3427, 0.4728)

Have a look what the booklet for
Yxy(47.9486, 0.3427, 0.4728)
contains.

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Color

Yxy(48.0058, 0.3427, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	94C761
RGB	148, 199, 97
RGB Percent	58%, 78%, 38%
CMY	0.4195, 0.2196, 0.6197
CMYK	0.26, 0.00, 0.51, 0.22
HSL	90°, 48%, 58%
HSV	90°, 51%, 78%
XYZ	34.7961, 48.0058, 18.7332
YIQ	172.1230, 2.3460, -42.5340

Conversions

Conversions Part 2

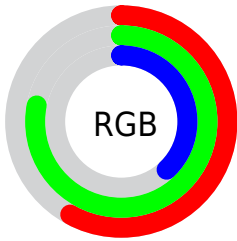
Format	Color
RYB	97, 199, 148
Decimal	9750369
CIELab	74.83, -33.82, 45.36
CIElCh	75, 56.582, 126.703
Yxy	48.0058, 0.3427, 0.4728
Android (android.graphics.Color)	4287940449 (0xFF94C761)
YUV	172.1230, -37.0356, -21.1559
Hunter-Lab	69.2862, -31.6068, 32.4698

Details

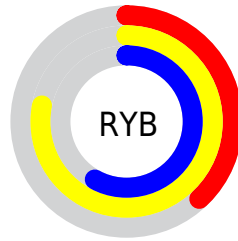
The Yxy color **48.0058, 0.3427, 0.4728** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.9580, 0.2625, 0.1858**, and the grayscale version is **41.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5594, 0.3397, 0.4443**, and **22.8277, 0.3443, 0.5159** is the 20% darker color. If you saturate the color by 10%, you get **46.7943, 0.3453, 0.5009**, and if you desaturate by 10%, it is **49.3942, 0.3385, 0.4432**.

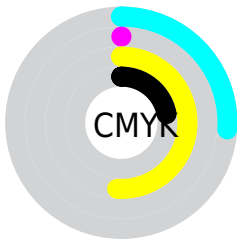
Distribution



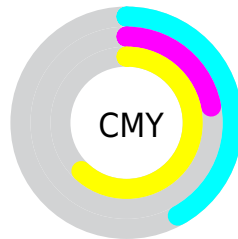
- Red (58%)
- Green (78%)
- Blue (38%)



- Red (38%)
- Yellow (78%)
- Blue (58%)



- Cyan (26%)
- Magenta (0%)
- Yellow (51%)
- Black (22%)




- Cyan (42%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0058, 0.3427, 0.4728 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 48.0058, 0.3427, 0.4728 by changing the saturation by 10% instead.

 48.0058, 0.3427,
0.4728

 48.0058, 0.3427,
0.4728


378.8151, 0.3313,
0.3982


 33.8315, 0.3440,
0.4917


 87.2130, 0.3396,
0.4453

 22.7642, 0.3447,
0.5158


 113.0147, 0.3381,
0.4351

 14.4195, 0.3438,
0.5473


 143.4610, 0.3367,
0.4265

 8.4130, 0.3387,
0.5893

 178.9363, 0.3354,
0.4192

 4.3603, 0.3338,
0.6662

219.8250, 0.3343,
0.4128

 1.8771, 0.2813,
0.7187

266.5114, 0.3332,

 0.5346, 0.0000,

0.4073

1.0000

319.3800, 0.3322,
0.4025

■ 0.0000, 0.0000,
0.0000

■ 48.0058, 0.3427,
0.4728

■ 48.0058, 0.3427,
0.4728

■ 46.7943, 0.3453,
0.5009

■ 49.3942, 0.3385,
0.4432

■ 45.7444, 0.3460,
0.5260

■ 50.9616, 0.3330,
0.4134

■ 44.8479, 0.3444,
0.5466

■ 52.7176, 0.3268,
0.3845

■ 44.0931, 0.3408,
0.5618

■ 54.6695, 0.3203,
0.3573

■ 43.5325, 0.3363,
0.5712

■ 56.8240, 0.3136,
0.3321

■ 59.1874, 0.3070,
0.3090

■ 61.7658, 0.3006,
0.2883

■ 64.4895, 0.2953,
0.2708

■ 66.1585, 0.3025,
0.2720

Harmonies

Analogous

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



48.0058, 0.4124, 0.4566



48.0058, 0.3427, 0.4728



48.0058, 0.2689, 0.4337

Triad

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



48.0058, 0.3427, 0.4728



48.0058, 0.1823, 0.2289



48.0058, 0.4207, 0.2960

Complementary

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



48.0058, 0.3427, 0.4728



18.9580, 0.2625, 0.1858

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.



48.0058, 0.3448, 0.2496



48.0058, 0.3427, 0.4728



48.0058, 0.2112, 0.2114

Square

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



48.0058, 0.3427, 0.4728



48.0058, 0.1817, 0.2767



48.0058, 0.2676, 0.2196



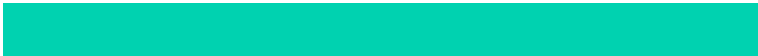
48.0058, 0.4641, 0.3514

Rectangle

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



48.0058, 0.3427, 0.4728



48.0058, 0.2275, 0.3820



48.0058, 0.2676, 0.2196



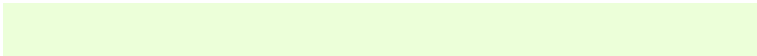
48.0058, 0.3975, 0.2792

Sweetspot

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



48.0079, 0.3427, 0.4728



94.3309, 0.3229, 0.3678



33.6503, 0.4210, 0.3932



20.0343, 0.3243, 0.3737



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.



48.0079, 0.3427, 0.4728



81.6129, 0.3456, 0.5053



44.3437, 0.3062, 0.4903



12.1442, 0.3190, 0.3524



28.0444, 0.3373, 0.5704



1.3710, 0.3534, 0.5576

Inverse Universe

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



18.9580, 0.2625, 0.1858



24.9678, 0.2474, 0.1537



24.5782, 0.3165, 0.2064



10.5434, 0.3059, 0.3057



4.4245, 0.2031, 0.0893



0.2526, 0.2262, 0.1020

Previews

White Background



This preview shows how the Yxy color 48.0058, 0.3427, 0.4728 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 48.0058, 0.3427, 0.4728 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 48.0058, 0.3427, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 48.0058, 0.3427, 0.4728.



This preview shows how white text looks on a background with the Yxy color 48.0058, 0.3427, 0.4728.

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

48.0058, 0.3427, 0.4728

Protanopia

47.7502, 0.4028, 0.4401

Deuteranopia

47.4865, 0.4203, 0.4113



Tritanopia

47.5914, 0.2829, 0.3092

Trichromacy



Original Color

48.0058, 0.3427, 0.4728

Protanomaly

47.2706, 0.3799, 0.4518

Deuteranomaly

46.9563, 0.3899, 0.4333

Tritanomaly

47.2110, 0.3062, 0.3665

Monochromacy



Original Color

48.0058, 0.3427, 0.4728

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.2868, 0.3257, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0058, 0.3427, 0.4728 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(148, 199, 97)` looks like.

```
.text, #text, p{  
    color:rgb(148, 199, 97)  
}
```

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(148, 199, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 199, 97) }
```

Border

The CSS property to change the border of an element to Yxy 48.0058, 0.3427, 0.4728 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(148, 199, 97) }
```

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

```
.border{ border-color:rgb(148, 199, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 199, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 199, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 199, 97);  
box-shadow:4px 4px 4px 4px rgb(148, 199,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0058, 0.3427, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 199, 97) }
```

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

```
.background{ background-color: rgb(148,  
199, 97) }
```

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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