

Converting Colors

Yxy(59.4585, 0.3249, 0.4640)

Have a look what the booklet for
Yxy(59.4585, 0.3249, 0.4640)
contains.

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Color

Yxy(59.4585, 0.3249, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	95DD78
RGB	149, 221, 120
RGB Percent	58%, 87%, 47%
CMY	0.4159, 0.1333, 0.5294
CMYK	0.33, 0.00, 0.46, 0.13
HSL	103°, 60%, 67%
HSV	103°, 46%, 87%
XYZ	41.6338, 59.4585, 27.0511
YIQ	187.9580, -10.4910, -46.6750

Conversions

Conversions Part 2

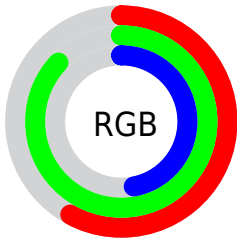
Format	Color
RYB	120, 221, 192
Decimal	9821560
CIELab	81.54, -40.72, 42.45
CIELCh	82, 58.818, 133.807
Yxy	59.4585, 0.3249, 0.4640
Android (android.graphics.Color)	4288011640 (0xFF95DD78)
YUV	187.9580, -33.5033, -34.1662
Hunter-Lab	77.1093, -38.5636, 33.1768

Details

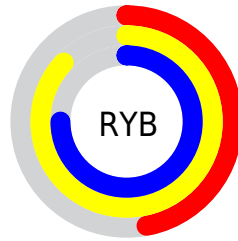
The Yxy color **59.4585, 0.3249, 0.4640** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.8697, 0.2896, 0.2083**, and the grayscale version is **50.4577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6978, 0.3280, 0.4178**, and **29.7196, 0.3233, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **57.6015, 0.3255, 0.4965**, and if you desaturate by 10%, it is **61.6453, 0.3233, 0.4312**.

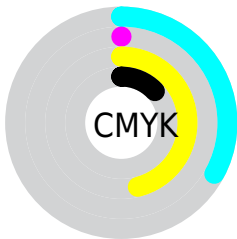
Distribution



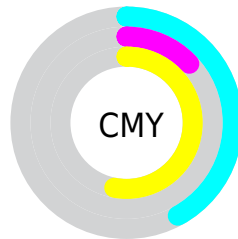
- Red (58%)
- Green (87%)
- Blue (47%)



- Red (47%)
- Yellow (87%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)





- Cyan (42%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4585, 0.3249, 0.4640 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 59.4585, 0.3249, 0.4640 by changing the saturation by 10% instead.

 59.4585, 0.3249,
0.4640


 59.4585, 0.3249,
0.4640


422.5989, 0.3220,
0.3956

 42.9823, 0.3246,
0.4810


 104.0438, 0.3246,
0.4391

 29.8712, 0.3235,
0.5025


 132.9216, 0.3243,
0.4298

 19.7409, 0.3210,
0.5307


 166.7022, 0.3239,
0.4219

 12.2068, 0.3155,
0.5685


205.7698, 0.3235,
0.4151

 6.8847, 0.3037,
0.6210

250.5089, 0.3231,
0.4092

 3.3901, 0.2849,
0.7151

301.3038, 0.3227,

 1.3386, 0.1415,

0.4041

0.8585

358.5391, 0.3224,
0.3996

■ 0.1708, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4585, 0.3249,
0.4640

■ 59.4585, 0.3249,
0.4640

■ 57.6015, 0.3255,
0.4965

■ 61.6453, 0.3233,
0.4312

■ 56.0498, 0.3247,
0.5268

■ 64.1695, 0.3208,
0.3996


■ 54.7878, 0.3225,
0.5529


■ 67.0480, 0.3179,
0.3701


■ 53.7950, 0.3189,
0.5730

■ 70.2944, 0.3146,
0.3431

 53.0472, 0.3143,
0.5861

 73.9214, 0.3113,
0.3189

 52.7881, 0.3123,
0.5902

 77.9410, 0.3079,
0.2975

 80.2003, 0.3143,
0.2960

Harmonies

Analogous

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



59.4585, 0.3952, 0.4604



59.4585, 0.3249, 0.4640



59.4585, 0.2551, 0.4138

Triad

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



59.4585, 0.3249, 0.4640



59.4585, 0.1900, 0.2253



59.4585, 0.4311, 0.3095

Complementary

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



59.4585, 0.3249, 0.4640



29.8697, 0.2896, 0.2083

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.



59.4585, 0.3625, 0.2613



59.4585, 0.3249, 0.4640



59.4585, 0.2248, 0.2143

Square

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



59.4585, 0.3249, 0.4640



59.4585, 0.1829, 0.2647



59.4585, 0.2855, 0.2276



59.4585, 0.4625, 0.3646

Rectangle

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



59.4585, 0.3249, 0.4640



59.4585, 0.2184, 0.3608



59.4585, 0.2855, 0.2276



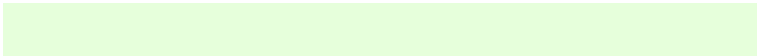
59.4585, 0.4111, 0.2923

Sweetspot

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



59.4611, 0.3249, 0.4640



93.3957, 0.3174, 0.3656



53.8658, 0.3950, 0.4109



19.7923, 0.3180, 0.3717



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.



59.4611, 0.3249, 0.4640



79.7147, 0.3255, 0.4956



57.6130, 0.2951, 0.4433



14.7860, 0.3159, 0.3529



30.7110, 0.3133, 0.5895



2.0329, 0.3255, 0.5798

Inverse Universe

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



29.8697, 0.2896, 0.2083



33.8428, 0.2827, 0.1836



33.0157, 0.3383, 0.2373



13.0777, 0.3092, 0.3056



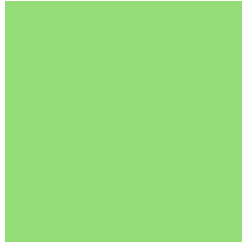
7.2962, 0.2498, 0.1150



0.5156, 0.2618, 0.1216

Previews

White Background



This preview shows how the Yxy color 59.4585, 0.3249, 0.4640 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 59.4585, 0.3249, 0.4640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

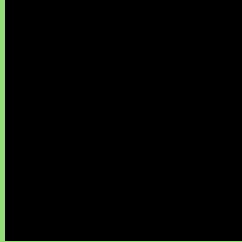
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4585, 0.3249, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 59.4585, 0.3249, 0.4640.

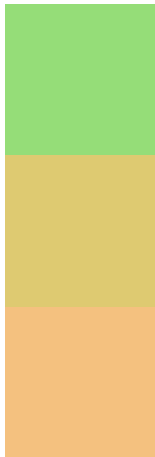


This preview shows how white text looks on a background with the Yxy color 59.4585, 0.3249, 0.4640.

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

59.4585, 0.3249, 0.4640

Protanopia

58.9629, 0.3948, 0.4293

Deuteranopia

58.9053, 0.4085, 0.3997



Tritanopia

59.1989, 0.2720, 0.3082

Trichromacy



Original Color

59.4585, 0.3249, 0.4640



Protanomaly

58.4640, 0.3666, 0.4423



Deuteranomaly

57.7224, 0.3757, 0.4228



Tritanomaly

58.6499, 0.2922, 0.3626

Monochromacy



Original Color

59.4585, 0.3249, 0.4640



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.9516, 0.3190, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4585, 0.3249, 0.4640 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, 221, 120)` looks like.

```
.text, #text, p{  
    color:rgb(149, 221, 120)  
}
```

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, 221, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 221, 120) }
```

Border

The CSS property to change the border of an element to Yxy 59.4585, 0.3249, 0.4640 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, 221, 120) }
```

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

```
.border{ border-color:rgb(149, 221, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 221, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 221, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 221, 120);  
box-shadow:4px 4px 4px 4px rgb(149, 221,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4585, 0.3249, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 221, 120) }
```

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

```
.background{ background-color: rgb(149,  
221, 120) }
```

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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