

Converting Colors

Yxy(61.5885, 0.2989, 0.4439)

Have a look what the booklet for
Yxy(61.5885, 0.2989, 0.4439)
contains.

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Color

Yxy(61.5885, 0.2989, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	81E38F
RGB	129, 227, 143
RGB Percent	51%, 89%, 56%
CMY	0.4944, 0.1097, 0.4392
CMYK	0.43, 0.00, 0.37, 0.11
HSL	129°, 64%, 70%
HSV	129°, 43%, 89%
XYZ	41.4706, 61.5885, 35.6850
YIQ	188.1220, -31.4440, -46.9000

Conversions

Conversions Part 2

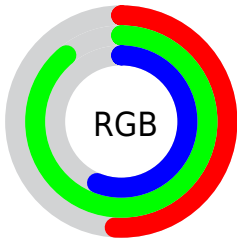
Format	Color
RYB	129, 215, 227
Decimal	8512399
CIELab	82.69, -46.17, 32.27
CIElCh	83, 56.333, 145.051
Yxy	61.5885, 0.2989, 0.4439
Android (android.graphics.Color)	4286702479 (0xFF81E38F)
YUV	188.1220, -22.2451, -51.8500
Hunter-Lab	78.4783, -43.0117, 27.9750

Details

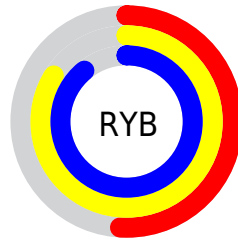
The Yxy color **61.5885, 0.2989, 0.4439** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.8143, 0.3311, 0.2365**, and the grayscale version is **50.4951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9903, 0.3031, 0.3944**, and **31.2762, 0.2922, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **59.4686, 0.2965, 0.4759**, and if you desaturate by 10%, it is **64.2104, 0.3018, 0.4131**.

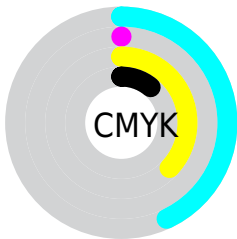
Distribution



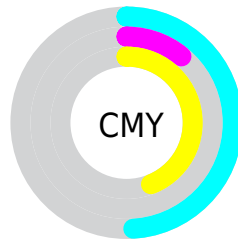
- Red (51%)
- Green (89%)
- Blue (56%)



- Red (51%)
- Yellow (84%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5885, 0.2989, 0.4439 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 61.5885, 0.2989, 0.4439 by changing the saturation by 10% instead.

 61.5885, 0.2989,
0.4439

 61.5885, 0.2989,
0.4439


430.4285, 0.3075,
0.3856


 44.7003, 0.2962,
0.4586


 107.1306, 0.3024,
0.4226

 31.2214, 0.2925,
0.4774


 136.5532, 0.3036,
0.4146

 20.7675, 0.2871,
0.5023


 170.9228, 0.3046,
0.4079

 12.9542, 0.2787,
0.5367

210.6237, 0.3054,
0.4021

 7.3970, 0.2645,
0.5865

256.0403, 0.3061,
0.3972

 3.7116, 0.2415,
0.6718

307.5571, 0.3066,

 1.5136, 0.1211,

0.3928

0.8789

365.5583, 0.3071,
0.3890

0.2983, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.5885, 0.2989,
0.4439

61.5885, 0.2989,
0.4439

59.4686, 0.2965,
0.4759

64.2104, 0.3018,
0.4131

57.8114, 0.2949,
0.5075

67.3557, 0.3050,
0.3845


56.5839, 0.2942,
0.5368

71.0534, 0.3084,
0.3587

55.7456, 0.2946,
0.5617

75.3286, 0.3117,
0.3358

 55.2477, 0.2960,
0.5806

 80.2046, 0.3149,
0.3157

 55.0546, 0.2971,
0.5896

 83.4272, 0.3140,
0.3019

Harmonies

Analogous

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



61.5885, 0.3679, 0.4602



61.5885, 0.2989, 0.4439



61.5885, 0.2373, 0.3817

Triad

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



61.5885, 0.2989, 0.4439



61.5885, 0.2050, 0.2233



61.5885, 0.4411, 0.3303

Complementary

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



61.5885, 0.2989, 0.4439



36.8143, 0.3311, 0.2365

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.



61.5885, 0.3869, 0.2806



61.5885, 0.2989, 0.4439



61.5885, 0.2482, 0.2217

Square

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



61.5885, 0.2989, 0.4439



61.5885, 0.1881, 0.2508



61.5885, 0.3137, 0.2422



61.5885, 0.4544, 0.3839

Rectangle

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



61.5885, 0.2989, 0.4439



61.5885, 0.2084, 0.3306



61.5885, 0.3137, 0.2422



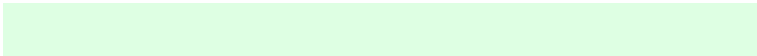
61.5885, 0.4268, 0.3130

Sweetspot

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



61.5911, 0.2989, 0.4439



92.5502, 0.3084, 0.3584



70.8167, 0.3668, 0.4392



19.5666, 0.3077, 0.3639



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.



61.5911, 0.2989, 0.4439



77.6225, 0.2967, 0.4731



63.3718, 0.2727, 0.3763



16.1227, 0.3096, 0.3497



32.1130, 0.2967, 0.5880



2.3837, 0.2905, 0.5658

Inverse Universe

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



36.8143, 0.3311, 0.2365



41.3323, 0.3359, 0.2190



34.7257, 0.3832, 0.2874



14.5778, 0.3160, 0.3091



11.8206, 0.3607, 0.1761



0.8833, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 61.5885, 0.2989, 0.4439 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 61.5885, 0.2989, 0.4439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

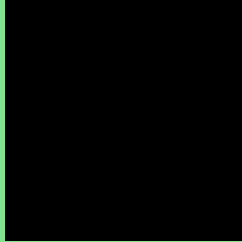
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.5885, 0.2989, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 61.5885, 0.2989, 0.4439.

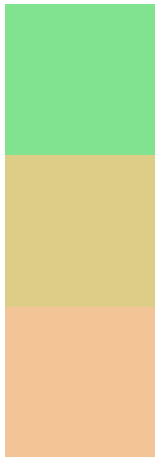


This preview shows how white text looks on a background with the Yxy color 61.5885, 0.2989, 0.4439.

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

61.5885, 0.2989, 0.4439

Protanopia

60.9135, 0.3788, 0.4101

Deuteranopia

60.5591, 0.3874, 0.3792



Tritanopia

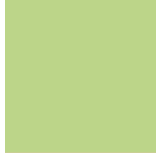
61.2908, 0.2587, 0.3080

Trichromacy



Original Color

61.5885, 0.2989, 0.4439



Protanomaly

60.0860, 0.3459, 0.4237



Deuteranomaly

59.1497, 0.3512, 0.4021



Tritanomaly

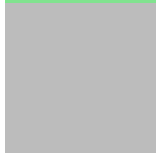
61.0193, 0.2733, 0.3548

Monochromacy



Original Color

61.5885, 0.2989, 0.4439



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.4351, 0.3071, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5885, 0.2989, 0.4439 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(129, 227, 143)` looks like.

```
.text, #text, p{  
    color:rgb(129, 227, 143)  
}
```

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(129, 227, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 227, 143) }
```

Border

The CSS property to change the border of an element to Yxy 61.5885, 0.2989, 0.4439 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(129, 227, 143) }
```

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

```
.border{ border-color:rgb(129, 227, 143) }
```

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

Here you see how a box with a 4 pixel rgb(129, 227, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 227, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 227, 143);  
box-shadow:4px 4px 4px 4px rgb(129, 227,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5885, 0.2989, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 227, 143) }
```

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

```
.background{ background-color: rgb(129,  
227, 143) }
```

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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