

Converting Colors

$Yxy(65.5427, 0.2912, 0.4355)$

Have a look what the booklet for
Yxy(65.5427, 0.2912, 0.4355)
contains.

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Color

Yxy(65.6478, 0.2911, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	7EEA9B
RGB	126, 234, 155
RGB Percent	49%, 92%, 61%
CMY	0.5059, 0.0823, 0.3922
CMYK	0.46, 0.00, 0.34, 0.08
HSL	136°, 72%, 71%
HSV	136°, 46%, 92%
XYZ	43.9413, 65.6478, 41.3601
YIQ	192.7020, -39.0090, -47.4650

Conversions

Conversions Part 2

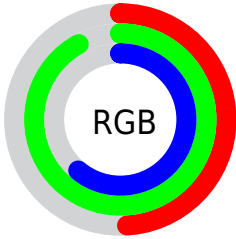
Format	Color
RYB	126, 211, 234
Decimal	8317595
CIELab	84.82, -47.94, 28.98
CIELCh	85, 56.013, 148.848
Yxy	65.6478, 0.2911, 0.4349
Android (android.graphics.Color)	4286507675 (0xFF7EEA9B)
YUV	192.7020, -18.5871, -58.4977
Hunter-Lab	81.0233, -44.9851, 26.4505

Details

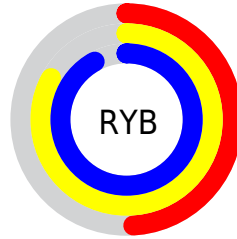
The Yxy color **65.6478, 0.2911, 0.4349** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.8209, 0.3463, 0.2433**, and the grayscale version is **53.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3635, 0.2950, 0.3794**, and **33.6525, 0.2837, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **63.5400, 0.2881, 0.4629**, and if you desaturate by 10%, it is **68.2585, 0.2950, 0.4081**.

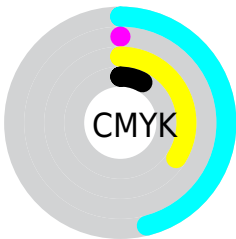
Distribution



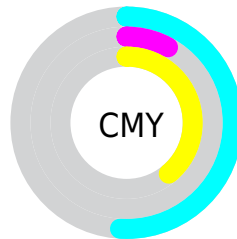
- Red (49%)
- Green (92%)
- Blue (61%)



- Red (49%)
- Yellow (83%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (51%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6478, 0.2911, 0.4349 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 65.6478, 0.2911, 0.4349 by changing the saturation by 10% instead.


 65.6478, 0.2911,
0.4349


 65.6478, 0.2911,
0.4349


445.1162, 0.3030,
0.3818


 47.9866, 0.2878,
0.4481


 112.9807, 0.2957,
0.4156

 33.8162, 0.2835,
0.4650


 143.4211, 0.2973,
0.4084

 22.7525, 0.2774,
0.4872


 178.8900, 0.2987,
0.4022

 14.4108, 0.2685,
0.5178

219.7719, 0.2998,
0.3969

 8.4070, 0.2546,
0.5620

266.4510, 0.3008,
0.3924

 4.3564, 0.2305,
0.6299

319.3119, 0.3016,

 1.8749, 0.1718,

0.3884

0.8282

378.7388, 0.3024,
0.3849

■ 0.5332, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6478, 0.2911,
0.4349

■ 65.6478, 0.2911,
0.4349

■ 63.5400, 0.2881,
0.4629

■ 68.2585, 0.2950,
0.4081

■ 61.8942, 0.2864,
0.4910


■ 71.3939, 0.2996,
0.3832


■ 60.6762, 0.2862,
0.5180


■ 75.0840, 0.3045,
0.3605


■ 59.8430, 0.2875,
0.5422

■ 79.3543, 0.3096,
0.3403

 59.3420, 0.2903,
0.5625

 84.2288, 0.3146,
0.3224

 59.2063, 0.2914,
0.5691

 87.3294, 0.3137,
0.3088

Harmonies

Analogous

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



65.6478, 0.3585, 0.4573



65.6478, 0.2911, 0.4349



65.6478, 0.2330, 0.3709

Triad

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



65.6478, 0.2911, 0.4349



65.6478, 0.2115, 0.2242



65.6478, 0.4417, 0.3372

Complementary

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



65.6478, 0.2911, 0.4349



36.8209, 0.3463, 0.2433

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.



65.6478, 0.3932, 0.2876



65.6478, 0.2911, 0.4349



65.6478, 0.2569, 0.2255

Square

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



65.6478, 0.2911, 0.4349



65.6478, 0.1916, 0.2479



65.6478, 0.3228, 0.2481



65.6478, 0.4494, 0.3895

Rectangle

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



65.6478, 0.2911, 0.4349



65.6478, 0.2069, 0.3217



65.6478, 0.3228, 0.2481



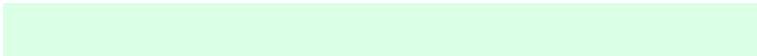
65.6478, 0.4295, 0.3200

Sweetspot

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



65.6505, 0.2911, 0.4349



92.2773, 0.3056, 0.3561



73.3635, 0.3593, 0.4512



19.5236, 0.3045, 0.3607



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.



65.6505, 0.2911, 0.4349



77.4281, 0.2883, 0.4603



67.8780, 0.2633, 0.3609



16.9286, 0.3079, 0.3467



33.2865, 0.2907, 0.5665



2.6294, 0.2832, 0.5395

Inverse Universe

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



36.8209, 0.3463, 0.2433



38.4924, 0.3554, 0.2284



34.6535, 0.4079, 0.3008



15.2407, 0.3179, 0.3119



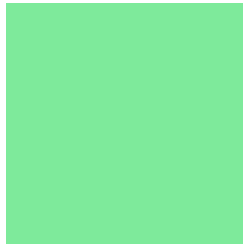
11.5079, 0.4028, 0.1993



0.9195, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 65.6478, 0.2911, 0.4349 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 65.6478, 0.2911, 0.4349 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 65.6478, 0.2911, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 65.6478, 0.2911, 0.4349.

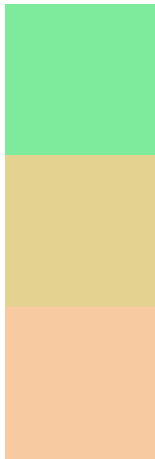


This preview shows how white text looks on a background with the Yxy color 65.6478, 0.2911, 0.4349.

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

65.6478, 0.2911, 0.4349

Protanopia

64.6315, 0.3739, 0.4017

Deuteranopia

64.6239, 0.3797, 0.3718



Tritanopia

65.2372, 0.2549, 0.3073

Trichromacy



Original Color

65.6478, 0.2911, 0.4349



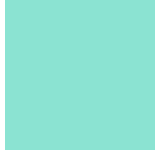
Protanomaly

63.9093, 0.3389, 0.4145



Deuteranomaly

63.2928, 0.3426, 0.3947



Tritanomaly

65.0803, 0.2678, 0.3504

Monochromacy



Original Color

65.6478, 0.2911, 0.4349



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.8014, 0.3036, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6478, 0.2911, 0.4349 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(126, 234, 155)` looks like.

```
.text, #text, p{  
  color:rgb(126, 234, 155)  
}
```

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(126, 234, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 234, 155) }
```

Border

The CSS property to change the border of an element to Yxy 65.6478, 0.2911, 0.4349 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(126, 234, 155) }
```

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

```
.border{ border-color:rgb(126, 234, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 234, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 234, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 234, 155);  
box-shadow:4px 4px 4px 4px rgb(126, 234,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6478, 0.2911, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 234, 155) }
```

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

```
.background{ background-color: rgb(126,  
234, 155) }
```

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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