

Converting Colors

Yxy(65.0366, 0.3034, 0.4644)

Have a look what the booklet for
Yxy(65.0366, 0.3034, 0.4644)
contains.

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Color

Yxy(65.1283, 0.3035, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	80EA85
RGB	128, 234, 133
RGB Percent	50%, 92%, 52%
CMY	0.4982, 0.0823, 0.4783
CMYK	0.45, 0.00, 0.43, 0.08
HSL	123°, 72%, 71%
HSV	123°, 45%, 92%
XYZ	42.5542, 65.1283, 32.5291
YIQ	190.7920, -30.7550, -53.8830

Conversions

Conversions Part 2

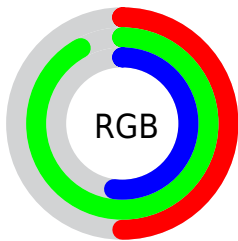
Format	Color
RYB	128, 229, 234
Decimal	8448645
CIELab	84.55, -50.90, 39.66
CIElCh	85, 64.526, 142.074
Yxy	65.1283, 0.3035, 0.4645
Android (android.graphics.Color)	4286638725 (0xFF80EA85)
YUV	190.7920, -28.4915, -55.0686
Hunter-Lab	80.7021, -47.1056, 32.5931

Details

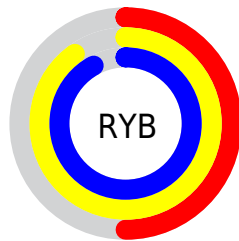
The Yxy color **65.1283, 0.3035, 0.4645** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5719, 0.3226, 0.2230**, and the grayscale version is **52.1508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5470, 0.3085, 0.4062**, and **33.3036, 0.2973, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **62.9697, 0.3017, 0.4992**, and if you desaturate by 10%, it is **67.8413, 0.3055, 0.4301**.

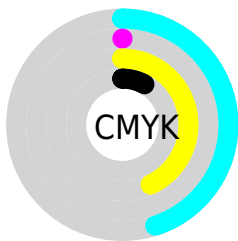
Distribution



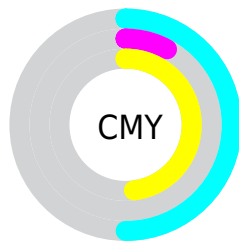
- Red (50%)
- Green (92%)
- Blue (52%)



- Red (50%)
- Yellow (90%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (43%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1283, 0.3035, 0.4645 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 65.1283, 0.3035, 0.4645 by changing the saturation by 10% instead.


 65.1283, 0.3035,
0.4645


 65.1283, 0.3035,
0.4645


443.2529, 0.3107,
0.3961

 47.5651, 0.3009,
0.4815


 112.2343, 0.3067,
0.4397

 33.4826, 0.2972,
0.5031


 142.5459, 0.3077,
0.4303

 22.4964, 0.2915,
0.5314


 177.8758, 0.3086,
0.4224

 14.2221, 0.2824,
0.5697

218.6083, 0.3092,
0.4156

 8.2753, 0.2667,
0.6234

265.1279, 0.3097,
0.4098

 4.2716, 0.2449,
0.7235

317.8189, 0.3101,

 1.8266, 0.1364,

0.4046

0.8636

377.0658, 0.3104,
0.4001

■ 0.5037, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1283, 0.3035,
0.4645

■ 65.1283, 0.3035,
0.4645

■ 62.9697, 0.3017,
0.4992

■ 67.8413, 0.3055,
0.4301

■ 61.3198, 0.3002,
0.5319


■ 71.1345, 0.3077,
0.3976


■ 60.1391, 0.2994,
0.5600


■ 75.0419, 0.3097,
0.3680


■ 59.3787, 0.2991,
0.5813

■ 79.5924, 0.3117,
0.3417

 58.9788, 0.2993,
0.5943

 84.8133, 0.3136,
0.3186

 58.8762, 0.2994,
0.5977

 87.3315, 0.3137,
0.3088

Harmonies

Analogous

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



65.1283, 0.3798, 0.4749



65.1283, 0.3035, 0.4645



65.1283, 0.2338, 0.3970

Triad

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



65.1283, 0.3035, 0.4645



65.1283, 0.1906, 0.2135



65.1283, 0.4528, 0.3233

Complementary

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



65.1283, 0.3035, 0.4645



38.5719, 0.3226, 0.2230

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.



65.1283, 0.3880, 0.2702



65.1283, 0.3035, 0.4645



65.1283, 0.2347, 0.2097

Square

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



65.1283, 0.3035, 0.4645



65.1283, 0.1751, 0.2457



65.1283, 0.3051, 0.2301



65.1283, 0.4718, 0.3817

Rectangle

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



65.1283, 0.3035, 0.4645



65.1283, 0.2005, 0.3383



65.1283, 0.3051, 0.2301



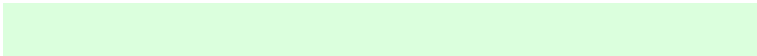
65.1283, 0.4353, 0.3046

Sweetspot

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



65.1310, 0.3035, 0.4645



91.8477, 0.3100, 0.3645



77.3104, 0.3772, 0.4411



19.4204, 0.3096, 0.3705



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.



65.1310, 0.3035, 0.4645



76.7755, 0.3019, 0.4955



66.9190, 0.2766, 0.3936



16.8739, 0.3109, 0.3522



33.0871, 0.2991, 0.5969



2.6023, 0.2968, 0.5886

Inverse Universe

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



38.5719, 0.3226, 0.2230



40.8547, 0.3247, 0.2052



36.1109, 0.3762, 0.2737



15.3006, 0.3145, 0.3069



12.8226, 0.3333, 0.1610



1.0107, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 65.1283, 0.3035, 0.4645 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 65.1283, 0.3035, 0.4645 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 65.1283, 0.3035, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 65.1283, 0.3035, 0.4645.



This preview shows how white text looks on a background with the Yxy color 65.1283, 0.3035, 0.4645.

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

65.1283, 0.3035, 0.4645

Protanopia

64.3714, 0.3901, 0.4233

Deuteranopia

64.2056, 0.3997, 0.3919



Tritanopia

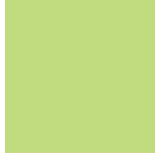
64.9586, 0.2578, 0.3085

Trichromacy



Original Color

65.1283, 0.3035, 0.4645



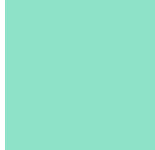
Protanomaly

63.5328, 0.3544, 0.4402



Deuteranomaly

62.5453, 0.3597, 0.4179



Tritanomaly

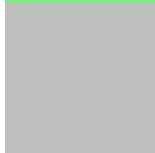
64.3136, 0.2747, 0.3622

Monochromacy



Original Color

65.1283, 0.3035, 0.4645



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.8528, 0.3090, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1283, 0.3035, 0.4645 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(128, 234, 133)` looks like.

```
.text, #text, p{  
    color:rgb(128, 234, 133)  
}
```

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(128, 234, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 234, 133) }
```

Border

The CSS property to change the border of an element to Yxy 65.1283, 0.3035, 0.4645 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(128, 234, 133) }
```

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

```
.border{ border-color:rgb(128, 234, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 234, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 234, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 234, 133);  
box-shadow:4px 4px 4px 4px rgb(128, 234,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1283, 0.3035, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 234, 133) }
```

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

```
.background{ background-color: rgb(128,  
234, 133) }
```

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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