

Converting Colors

$Yxy(66.2769, 0.3063, 0.4745)$

Have a look what the booklet for
Yxy(66.2769, 0.3063, 0.4745)
contains.

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Color

Yxy(66.1124, 0.3065, 0.4742)

Conversions

Conversions Part 1

Format	Color
Hex	80EC7F
RGB	128, 236, 127
RGB Percent	50%, 93%, 50%
CMY	0.4978, 0.0745, 0.5021
CMYK	0.46, 0.00, 0.46, 0.07
HSL	119°, 74%, 71%
HSV	119°, 46%, 93%
XYZ	42.7319, 66.1124, 30.5745
YIQ	191.2820, -29.3790, -56.7950

Conversions

Conversions Part 2

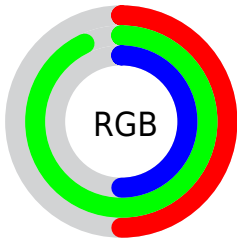
Format	Color
RYB	127, 236, 235
Decimal	8449151
CIELab	85.05, -52.54, 43.26
CIELCh	85, 68.059, 140.530
Yxy	66.1124, 0.3065, 0.4742
Android (android.graphics.Color)	4286639231 (0xFF80EC7F)
YUV	191.2820, -31.6910, -55.4983
Hunter-Lab	81.3095, -48.4818, 34.6221

Details

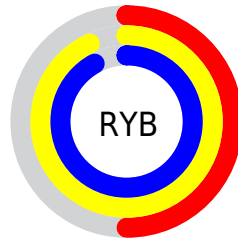
The Yxy color **66.1124, 0.3065, 0.4742** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.8735, 0.3170, 0.2163**, and the grayscale version is **52.4791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2953, 0.3117, 0.4132**, and **34.0134, 0.3005, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **63.9615, 0.3049, 0.5098**, and if you desaturate by 10%, it is **68.8301, 0.3081, 0.4383**.

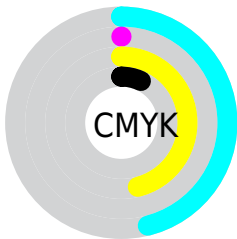
Distribution



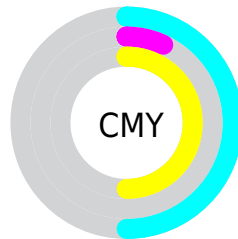
- Red (50%)
- Green (93%)
- Blue (50%)



- Red (50%)
- Yellow (93%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1124, 0.3065, 0.4742 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 66.1124, 0.3065, 0.4742 by changing the saturation by 10% instead.


 66.1124, 0.3065,
0.4742


 66.1124, 0.3065,
0.4742


446.7788, 0.3128,
0.4010


 48.3637, 0.3040,
0.4922

 113.6476, 0.3095,
0.4477

 34.1150, 0.3003,
0.5151


 144.2029, 0.3104,
0.4377

 22.9819, 0.2945,
0.5449


 179.7958, 0.3111,
0.4292

 14.5802, 0.2850,
0.5849

220.8108, 0.3116,
0.4220

 8.5253, 0.2684,
0.6400

267.6322, 0.3120,
0.4157

 4.4329, 0.2483,
0.7517

320.6443, 0.3123,

 1.9185, 0.1358,

0.4102

0.8642

380.2317, 0.3126,
0.4053

0.5595, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1124, 0.3065,
0.4742

66.1124, 0.3065,
0.4742

63.9615, 0.3049,
0.5098

68.8301, 0.3081,
0.4383

62.3299, 0.3033,
0.5424


72.1417, 0.3096,
0.4040

61.1760, 0.3019,
0.5691

76.0826, 0.3109,
0.3726

60.4483, 0.3009,
0.5878

80.6831, 0.3121,
0.3446

 60.0830, 0.3003,
0.5976

 85.9713, 0.3131,
0.3201

 60.0058, 0.3002,
0.5999

 88.4707, 0.3136,
0.3107

Harmonies

Analogous

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



66.1124, 0.3858, 0.4807



66.1124, 0.3065, 0.4742



66.1124, 0.2331, 0.4053

Triad

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



66.1124, 0.3065, 0.4742



66.1124, 0.1841, 0.2095



66.1124, 0.4572, 0.3193

Complementary

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



66.1124, 0.3065, 0.4742



38.8735, 0.3170, 0.2163

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.



66.1124, 0.3872, 0.2650



66.1124, 0.3065, 0.4742



66.1124, 0.2281, 0.2045

Square

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



66.1124, 0.3065, 0.4742



66.1124, 0.1696, 0.2442



66.1124, 0.3002, 0.2244



66.1124, 0.4794, 0.3797

Rectangle

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



66.1124, 0.3065, 0.4742



66.1124, 0.1977, 0.3430



66.1124, 0.3002, 0.2244



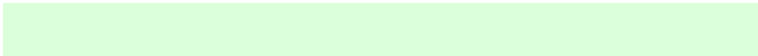
66.1124, 0.4381, 0.3002

Sweetspot

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



66.1152, 0.3065, 0.4742



91.8122, 0.3112, 0.3663



78.3137, 0.3818, 0.4404



19.4119, 0.3109, 0.3727



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.



66.1152, 0.3065, 0.4742



76.4751, 0.3050, 0.5064



67.7817, 0.2789, 0.4027



16.8693, 0.3117, 0.3533



33.0797, 0.3002, 0.5998



2.6001, 0.3008, 0.5994

Inverse Universe

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



38.8735, 0.3170, 0.2163



40.4208, 0.3176, 0.1979



36.4340, 0.3718, 0.2669



15.3057, 0.3136, 0.3058



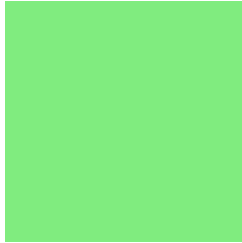
12.9516, 0.3184, 0.1528



1.0195, 0.3188, 0.1530

Previews

White Background



This preview shows how the Yxy color 66.1124, 0.3065, 0.4742 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 66.1124, 0.3065, 0.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

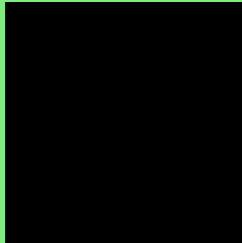
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1124, 0.3065, 0.4742

Background



This preview shows how black text looks on a background with the Yxy color 66.1124, 0.3065, 0.4742.



This preview shows how white text looks on a background with the Yxy color 66.1124, 0.3065, 0.4742.

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

66.1124, 0.3065, 0.4742

Protanopia

65.0523, 0.3952, 0.4296

Deuteranopia

65.0612, 0.4061, 0.3981



Tritanopia

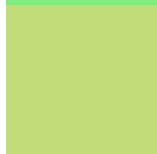
65.8016, 0.2580, 0.3074

Trichromacy



Original Color

66.1124, 0.3065, 0.4742



Protanomaly

64.0362, 0.3585, 0.4476



Deuteranomaly

63.1690, 0.3650, 0.4252



Tritanomaly

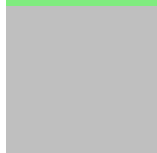
65.4966, 0.2755, 0.3645

Monochromacy



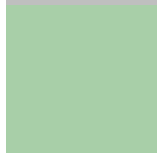
Original Color

66.1124, 0.3065, 0.4742



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.7776, 0.3103, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1124, 0.3065, 0.4742 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, 236, 127)` looks like.

```
.text, #text, p{  
    color:rgb(128, 236, 127)  
}
```

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, 236, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 236, 127) }
```

Border

The CSS property to change the border of an element to Yxy 66.1124, 0.3065, 0.4742 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, 236, 127) }
```

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

```
.border{ border-color:rgb(128, 236, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 236, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 236, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 236, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 236,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1124, 0.3065, 0.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 236, 127) }
```

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

```
.background{ background-color: rgb(128,  
236, 127) }
```

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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