

Converting Colors

Yxy(64.8013, 0.3065, 0.4617)

Have a look what the booklet for
Yxy(64.8013, 0.3065, 0.4617)
contains.

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Color

Yxy(64.9578, 0.3065, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	85E985
RGB	133, 233, 133
RGB Percent	52%, 91%, 52%
CMY	0.4783, 0.0863, 0.4786
CMYK	0.43, 0.00, 0.43, 0.09
HSL	120°, 69%, 72%
HSV	120°, 43%, 91%
XYZ	43.0477, 64.9578, 32.4438
YIQ	191.7000, -27.5000, -52.3000

Conversions

Conversions Part 2

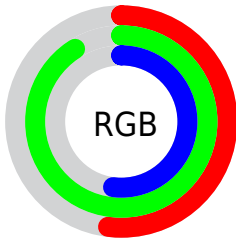
Format	Color
RYB	133, 233, 233
Decimal	8776069
CIELab	84.46, -49.05, 39.63
CIElCh	84, 63.055, 141.064
Yxy	64.9578, 0.3065, 0.4625
Android (android.graphics.Color)	4286966149 (0xFF85E985)
YUV	191.7000, -28.9391, -51.4799
Hunter-Lab	80.5964, -45.7043, 32.5505

Details

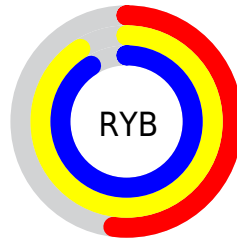
The Yxy color **64.9578, 0.3065, 0.4625** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.9571, 0.3176, 0.2239**, and the grayscale version is **52.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0550, 0.3109, 0.4056**, and **33.5749, 0.3015, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **62.6963, 0.3048, 0.4985**, and if you desaturate by 10%, it is **67.7875, 0.3082, 0.4269**.

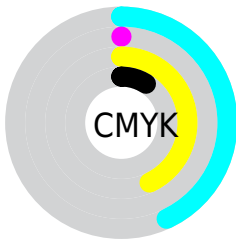
Distribution



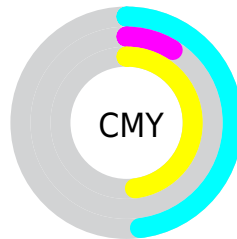
- Red (52%)
- Green (91%)
- Blue (52%)



- Red (52%)
- Yellow (91%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)




- Cyan (48%)
- Magenta (9%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9578, 0.3065, 0.4625 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 64.9578, 0.3065, 0.4625 by changing the saturation by 10% instead.


 64.9578, 0.3065,
0.4625


 64.9578, 0.3065,
0.4625


442.6403, 0.3122,
0.3952

 47.4269, 0.3043,
0.4792


 111.9892, 0.3092,
0.4381

 33.3732, 0.3010,
0.5004


 142.2584, 0.3100,
0.4289

 22.4125, 0.2959,
0.5281


 177.5425, 0.3106,
0.4211

 14.1603, 0.2876,
0.5657

218.2260, 0.3111,
0.4144

 8.2323, 0.2730,
0.6183

264.6930, 0.3115,
0.4087

 4.2439, 0.2530,
0.7169

317.3282, 0.3118,

 1.8109, 0.1519,

0.4036

0.8481

376.5158, 0.3120,
0.3992

0.4940, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9578, 0.3065,
0.4625

64.9578, 0.3065,
0.4625

62.6963, 0.3048,
0.4985

67.7875, 0.3082,
0.4269

60.9573, 0.3032,
0.5324


71.2114, 0.3097,
0.3934


59.7011, 0.3019,
0.5614

75.2637, 0.3111,
0.3631

58.8793, 0.3008,
0.5829

79.9735, 0.3124,
0.3362

 58.4330, 0.3002,
0.5955

 85.3684, 0.3135,
0.3129

 58.2795, 0.3000,
0.6000

 86.7583, 0.3137,
0.3078

Harmonies

Analogous

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



64.9578, 0.3811, 0.4712



64.9578, 0.3065, 0.4625



64.9578, 0.2376, 0.3983

Triad

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



64.9578, 0.3065, 0.4625



64.9578, 0.1919, 0.2163



64.9578, 0.4482, 0.3218

Complementary

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



64.9578, 0.3065, 0.4625



39.9571, 0.3176, 0.2239

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.



64.9578, 0.3838, 0.2698



64.9578, 0.3065, 0.4625



64.9578, 0.2344, 0.2116

Square

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



64.9578, 0.3065, 0.4625



64.9578, 0.1776, 0.2492



64.9578, 0.3028, 0.2309



64.9578, 0.4687, 0.3792

Rectangle

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



64.9578, 0.3065, 0.4625



64.9578, 0.2041, 0.3411



64.9578, 0.3028, 0.2309



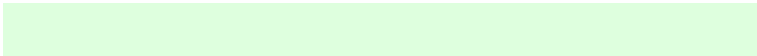
64.9578, 0.4306, 0.3035

Sweetspot

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



64.9605, 0.3065, 0.4625



92.2961, 0.3111, 0.3634



76.3548, 0.3773, 0.4332



19.5049, 0.3108, 0.3699



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.



64.9605, 0.3065, 0.4625



77.1099, 0.3049, 0.4961



66.6106, 0.2807, 0.3964



16.8628, 0.3116, 0.3534



33.0690, 0.3000, 0.6000



2.5969, 0.3001, 0.5999

Inverse Universe

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



39.9571, 0.3176, 0.2239



42.4769, 0.3185, 0.2042



37.5756, 0.3659, 0.2712



15.3131, 0.3138, 0.3058



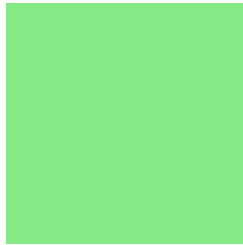
13.1501, 0.3207, 0.1540



1.0328, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 64.9578, 0.3065, 0.4625 looks on a white background.

Color Contrast Check

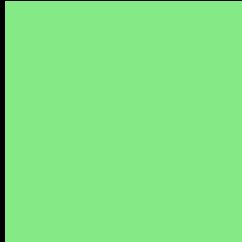
Large Text (above 18pt) WCAG AA × Fail

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 64.9578, 0.3065, 0.4625 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 64.9578, 0.3065, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 64.9578, 0.3065, 0.4625.



This preview shows how white text looks on a background with the Yxy color 64.9578, 0.3065, 0.4625.

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

64.9578, 0.3065, 0.4625

Protanopia

64.2064, 0.3893, 0.4236

Deuteranopia

63.7409, 0.4002, 0.3909



Tritanopia

64.7560, 0.2602, 0.3085

Trichromacy



Original Color

64.9578, 0.3065, 0.4625



Protanomaly

63.1444, 0.3555, 0.4389



Deuteranomaly

62.3318, 0.3617, 0.4164



Tritanomaly

64.1316, 0.2768, 0.3608

Monochromacy



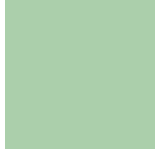
Original Color

64.9578, 0.3065, 0.4625



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.2238, 0.3105, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9578, 0.3065, 0.4625 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(133, 233, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 233, 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(133, 233, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 233, 133) }
```

Border

The CSS property to change the border of an element to Yxy 64.9578, 0.3065, 0.4625 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(133, 233, 133) }
```

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

```
.border{ border-color:rgb(133, 233, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 233, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 233, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 233, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 233,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9578, 0.3065, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 233, 133) }
```

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

```
.background{ background-color: rgb(133,  
233, 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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