

Converting Colors

Yxy(64.6665, 0.3076, 0.4593)

Have a look what the booklet for
Yxy(64.6665, 0.3076, 0.4593)
contains.

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Color

Yxy(64.6687, 0.3078, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	88E886
RGB	136, 232, 134
RGB Percent	53%, 91%, 53%
CMY	0.4665, 0.0902, 0.4745
CMYK	0.41, 0.00, 0.42, 0.09
HSL	119°, 68%, 72%
HSV	119°, 42%, 91%
XYZ	43.3189, 64.6687, 32.7495
YIQ	192.1240, -25.7580, -50.8300

Conversions

Conversions Part 2

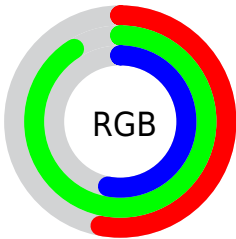
Format	Color
RYB	134, 232, 230
Decimal	8972422
CIELab	84.31, -47.60, 38.95
CIElCh	84, 61.505, 140.706
Yxy	64.6687, 0.3078, 0.4595
Android (android.graphics.Color)	4287162502 (0xFF88E886)
YUV	192.1240, -28.6551, -49.2207
Hunter-Lab	80.4169, -44.5753, 32.1461

Details

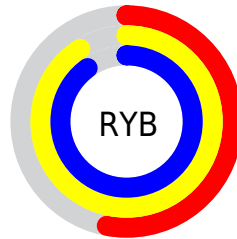
The Yxy color **64.6687, 0.3078, 0.4595** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.6863, 0.3157, 0.2249**, and the grayscale version is **52.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4883, 0.3122, 0.4040**, and **33.3221, 0.3028, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **62.3882, 0.3062, 0.4954**, and if you desaturate by 10%, it is **67.4995, 0.3092, 0.4242**.

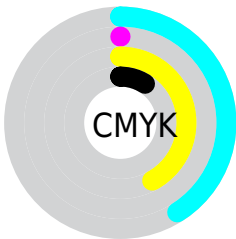
Distribution



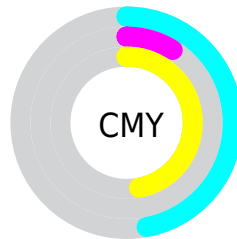
- Red (53%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)




- Cyan (47%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6687, 0.3078, 0.4595 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 64.6687, 0.3078, 0.4595 by changing the saturation by 10% instead.


 64.6687, 0.3078,
0.4595

 64.6687, 0.3078,
0.4595


441.6005, 0.3128,
0.3937

 47.1925, 0.3058,
0.4758


 111.5734, 0.3102,
0.4356

 33.1879, 0.3028,
0.4965


 141.7707, 0.3109,
0.4267

 22.2704, 0.2981,
0.5236


 176.9772, 0.3115,
0.4191

 14.0557, 0.2904,
0.5604

217.5772, 0.3119,
0.4125

 8.1594, 0.2766,
0.6120

263.9551, 0.3122,
0.4069

 4.1971, 0.2574,
0.7076

316.4953, 0.3125,

 1.7844, 0.1616,

0.4020

0.8384

375.5823, 0.3126,
0.3976

0.4774, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6687, 0.3078,
0.4595

64.6687, 0.3078,
0.4595

62.3882, 0.3062,
0.4954

67.4995, 0.3092,
0.4242

60.6149, 0.3046,
0.5294


70.9045, 0.3105,
0.3911

59.3123, 0.3031,
0.5588

74.9158, 0.3116,
0.3610


58.4357, 0.3018,
0.5810

79.5609, 0.3125,
0.3345

 57.9315, 0.3007,
0.5945

 84.8656, 0.3133,
0.3113

 57.7431, 0.3003,
0.5997

 86.1916, 0.3138,
0.3068

Harmonies

Analogous

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



64.6687, 0.3808, 0.4678



64.6687, 0.3078, 0.4595



64.6687, 0.2400, 0.3975

Triad

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



64.6687, 0.3078, 0.4595



64.6687, 0.1939, 0.2188



64.6687, 0.4445, 0.3215

Complementary

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



64.6687, 0.3078, 0.4595



39.6863, 0.3157, 0.2249

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.



64.6687, 0.3813, 0.2705



64.6687, 0.3078, 0.4595



64.6687, 0.2354, 0.2138

Square

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



64.6687, 0.3078, 0.4595



64.6687, 0.1802, 0.2516



64.6687, 0.3022, 0.2324



64.6687, 0.4653, 0.3780

Rectangle

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



64.6687, 0.3078, 0.4595



64.6687, 0.2069, 0.3420



64.6687, 0.3022, 0.2324



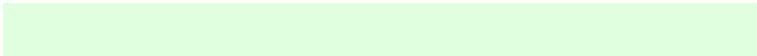
64.6687, 0.4272, 0.3036

Sweetspot

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



64.6714, 0.3078, 0.4595



92.4021, 0.3115, 0.3634



74.7658, 0.3770, 0.4301



19.5306, 0.3113, 0.3698



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.



64.6714, 0.3078, 0.4595



77.5643, 0.3064, 0.4919



66.0635, 0.2820, 0.3973



16.1035, 0.3119, 0.3533



32.0644, 0.3005, 0.5996



2.3746, 0.3018, 0.5986

Inverse Universe

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



39.6863, 0.3157, 0.2249



42.6192, 0.3161, 0.2053



37.7596, 0.3629, 0.2704



14.5990, 0.3135, 0.3058



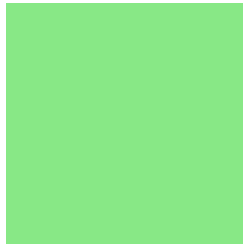
12.3188, 0.3157, 0.1513



0.9153, 0.3165, 0.1517

Previews

White Background



This preview shows how the Yxy color 64.6687, 0.3078, 0.4595 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 64.6687, 0.3078, 0.4595 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 64.6687, 0.3078, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 64.6687, 0.3078, 0.4595.

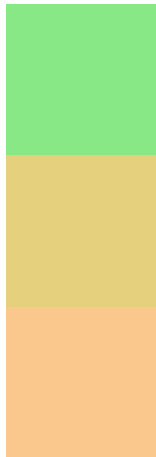


This preview shows how white text looks on a background with the Yxy color 64.6687, 0.3078, 0.4595.

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

64.6687, 0.3078, 0.4595

Protanopia

63.7396, 0.3891, 0.4217

Deuteranopia

63.5556, 0.3993, 0.3911



Tritanopia

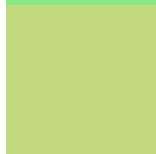
64.4274, 0.2611, 0.3074

Trichromacy



Original Color

64.6687, 0.3078, 0.4595



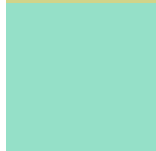
Protanomaly

62.7863, 0.3560, 0.4365



Deuteranomaly

62.4773, 0.3625, 0.4161



Tritanomaly

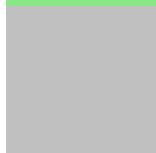
63.8710, 0.2784, 0.3594

Monochromacy



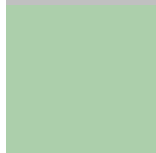
Original Color

64.6687, 0.3078, 0.4595



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.3366, 0.3113, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6687, 0.3078, 0.4595 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(136, 232, 134)` looks like.

```
.text, #text, p{  
    color:rgb(136, 232, 134)  
}
```

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(136, 232, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 232, 134) }
```

Border

The CSS property to change the border of an element to Yxy 64.6687, 0.3078, 0.4595 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(136, 232, 134) }
```

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

```
.border{ border-color:rgb(136, 232, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 232, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 232, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 232, 134);  
box-shadow:4px 4px 4px 4px rgb(136, 232,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6687, 0.3078, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 232, 134) }
```

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

```
.background{ background-color: rgb(136,  
232, 134) }
```

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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