

Converting Colors

Yxy(66.3461, 0.3073, 0.4598)

Have a look what the booklet for
Yxy(66.3461, 0.3073, 0.4598)
contains.

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Color

Yxy(66.5126, 0.3072, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	89EB88
RGB	137, 235, 136
RGB Percent	54%, 92%, 53%
CMY	0.4625, 0.0785, 0.4666
CMYK	0.42, 0.00, 0.42, 0.08
HSL	119°, 71%, 73%
HSV	119°, 42%, 92%
XYZ	44.4769, 66.5126, 33.7920
YIQ	194.4120, -26.6290, -51.5650

Conversions

Conversions Part 2

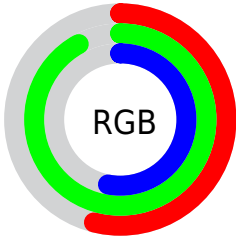
Format	Color
RYB	136, 235, 234
Decimal	9038728
CIELab	85.26, -48.27, 39.17
CIELCh	85, 62.166, 140.941
Yxy	66.5126, 0.3072, 0.4594
Android (android.graphics.Color)	4287228808 (0xFF89EB88)
YUV	194.4120, -28.7971, -50.3503
Hunter-Lab	81.5553, -45.3752, 32.5222

Details

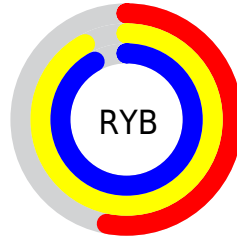
The Yxy color **66.5126, 0.3072, 0.4594** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.0953, 0.3166, 0.2254**, and the grayscale version is **54.4016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7070, 0.3117, 0.4016**, and **34.1864, 0.3023, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **64.1599, 0.3056, 0.4954**, and if you desaturate by 10%, it is **69.4409, 0.3088, 0.4240**.

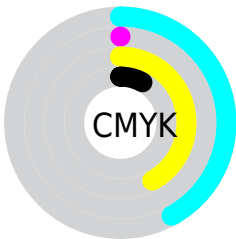
Distribution



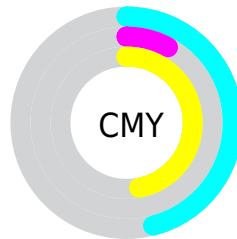
- Red (54%)
- Green (92%)
- Blue (53%)



- Red (53%)
- Yellow (92%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)





- Cyan (46%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5126, 0.3072, 0.4594 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 66.5126, 0.3072, 0.4594 by changing the saturation by 10% instead.

 66.5126, 0.3072,
0.4594


 66.5126, 0.3072,
0.4594


448.2079, 0.3125,
0.3940


 48.6886, 0.3052,
0.4755

 114.2217, 0.3097,
0.4357

 34.3726, 0.3021,
0.4960


 144.8757, 0.3104,
0.4268

 23.1800, 0.2974,
0.5227


 180.5751, 0.3110,
0.4192

 14.7264, 0.2898,
0.5587

221.7044, 0.3115,
0.4127

 8.6276, 0.2764,
0.6092

268.6479, 0.3118,
0.4071

 4.4991, 0.2560,
0.6966


321.7901, 0.3121,

 1.9565, 0.1792,


0.4022


0.8208


381.5153, 0.3123,
0.3978


 0.5820, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.5126, 0.3072,
0.4594


 66.5126, 0.3072,
0.4594


 64.1599, 0.3056,
0.4954


 69.4409, 0.3088,
0.4240


 62.3371, 0.3040,
0.5295


 72.9700, 0.3102,
0.3908

 61.0057, 0.3025,
0.5590


 77.1341, 0.3114,
0.3607


 60.1178, 0.3013,
0.5812

 81.9621, 0.3125,
0.3342

 59.6165, 0.3005,
0.5946

 87.4813, 0.3134,
0.3111

 59.4298, 0.3002,
0.5999

 87.8939, 0.3136,
0.3097

Harmonies

Analogous

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



66.5126, 0.3804, 0.4681



66.5126, 0.3072, 0.4594



66.5126, 0.2395, 0.3970

Triad

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



66.5126, 0.3072, 0.4594



66.5126, 0.1940, 0.2185



66.5126, 0.4451, 0.3219

Complementary

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



66.5126, 0.3072, 0.4594



41.0953, 0.3166, 0.2254

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.



66.5126, 0.3820, 0.2708



66.5126, 0.3072, 0.4594



66.5126, 0.2357, 0.2137

Square

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



66.5126, 0.3072, 0.4594



66.5126, 0.1800, 0.2512



66.5126, 0.3028, 0.2325



66.5126, 0.4655, 0.3784

Rectangle

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



66.5126, 0.3072, 0.4594



66.5126, 0.2065, 0.3413



66.5126, 0.3028, 0.2325



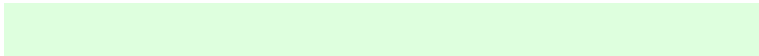
66.5126, 0.4278, 0.3039

Sweetspot

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



66.5154, 0.3072, 0.4594



92.3470, 0.3113, 0.3634



77.9130, 0.3762, 0.4314



19.5172, 0.3111, 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.



66.5154, 0.3072, 0.4594



77.4594, 0.3057, 0.4922



68.1042, 0.2812, 0.3949



16.8697, 0.3117, 0.3533



33.0804, 0.3002, 0.5998



2.6003, 0.3009, 0.5993

Inverse Universe

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



41.0953, 0.3166, 0.2254



42.8755, 0.3173, 0.2057



38.8690, 0.3646, 0.2722



15.3052, 0.3136, 0.3058



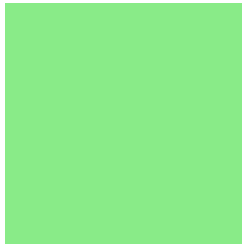
12.9389, 0.3183, 0.1527



1.0186, 0.3187, 0.1529

Previews

White Background



This preview shows how the Yxy color 66.5126, 0.3072, 0.4594 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 66.5126, 0.3072, 0.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

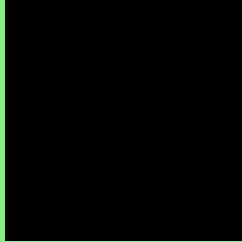
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5126, 0.3072, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 66.5126, 0.3072, 0.4594.

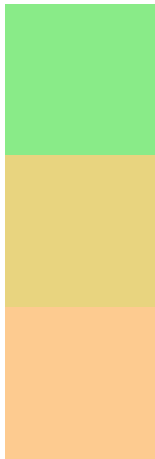


This preview shows how white text looks on a background with the Yxy color 66.5126, 0.3072, 0.4594.

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

66.5126, 0.3072, 0.4594

Protanopia

65.7751, 0.3888, 0.4216

Deuteranopia

65.6081, 0.3981, 0.3905



Tritanopia

66.3953, 0.2612, 0.3076

Trichromacy



Original Color

66.5126, 0.3072, 0.4594



Protanomaly

64.6684, 0.3554, 0.4365



Deuteranomaly

64.3728, 0.3611, 0.4153



Tritanomaly

65.7340, 0.2776, 0.3591

Monochromacy



Original Color

66.5126, 0.3072, 0.4594



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.5023, 0.3105, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5126, 0.3072, 0.4594 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(137, 235, 136)` looks like.

```
.text, #text, p{  
    color:rgb(137, 235, 136)  
}
```

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(137, 235, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 235, 136) }
```

Border

The CSS property to change the border of an element to Yxy 66.5126, 0.3072, 0.4594 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(137, 235, 136) }
```

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

```
.border{ border-color:rgb(137, 235, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 235, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 235, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 235, 136); box-shadow:4px 4px 4px 4px rgb(137, 235, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5126, 0.3072, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 235, 136) }
```

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

```
.background{ background-color: rgb(137,  
235, 136) }
```

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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