

Converting Colors

$Y_{xy}(68.5284, 0.2685, 0.3851)$

Have a look what the booklet for
Yxy(68.5284, 0.2685, 0.3851)
contains.

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Color

Yxy(68.4565, 0.2684, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	78EDC2
RGB	120, 237, 194
RGB Percent	47%, 93%, 76%
CMY	0.5296, 0.0705, 0.2392
CMYK	0.49, 0.00, 0.18, 0.07
HSL	158°, 76%, 70%
HSV	158°, 49%, 93%
XYZ	47.7612, 68.4565, 61.7301
YIQ	197.1150, -55.9290, -38.1770

Conversions

Conversions Part 2

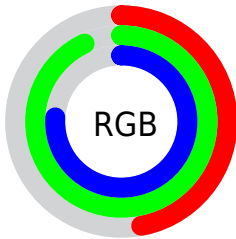
Format	Color
RYB	120, 192, 237
Decimal	7925186
CIELab	86.23, -43.15, 10.74
CIELCh	86, 44.469, 166.029
Yxy	68.4565, 0.2684, 0.3847
Android (android.graphics.Color)	4286115266 (0xFF78EDC2)
YUV	197.1150, -1.5357, -67.6299
Hunter-Lab	82.7384, -41.7523, 13.6814

Details

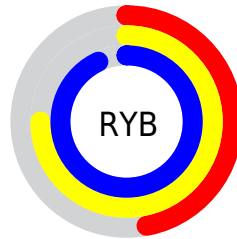
The Yxy color **68.4565, 0.2684, 0.3847** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.0704, 0.3988, 0.2816**, and the grayscale version is **55.9362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9500, 0.2710, 0.3332**, and **35.4658, 0.2575, 0.3995** is the 20% darker color. If you saturate the color by 10%, you get **66.5901, 0.2628, 0.3985**, and if you desaturate by 10%, it is **70.7706, 0.2755, 0.3716**.

Distribution



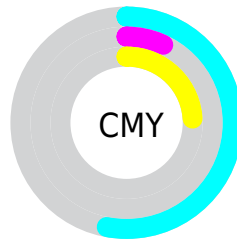
- Red (47%)
- Green (93%)
- Blue (76%)



- Red (47%)
- Yellow (75%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4565, 0.2684, 0.3847 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 68.4565, 0.2684, 0.3847 by changing the saturation by 10% instead.

 68.4565, 0.2684,
0.3847


 68.4565, 0.2684,
0.3847


455.1117, 0.2895,
0.3577

 50.2692, 0.2634,
0.3912


 117.0050, 0.2759,
0.3751

 35.6273, 0.2572,
0.3994


 148.1349, 0.2787,
0.3714

 24.1465, 0.2491,
0.4101


 184.3479, 0.2812,
0.3682

 15.4424, 0.2384,
0.4246

226.0283, 0.2833,
0.3655

 9.1304, 0.2235,
0.4452

273.5604, 0.2852,
0.3632

 4.8264, 0.2013,
0.4769

327.3288, 0.2868,

 2.1457, 0.1626,

0.3611

387.7178, 0.2882,
0.3593

0.5328

0.6902, 0.0000,
0.9988

0.0000, 0.0000,
0.0000

68.4565, 0.2684,
0.3847

68.4565, 0.2684,
0.3847

66.5901, 0.2628,
0.3985

70.7706, 0.2755,
0.3716

65.1313, 0.2591,
0.4127


73.5528, 0.2839,
0.3593

64.0463, 0.2574,
0.4271

76.8320, 0.2932,
0.3480

63.2922, 0.2578,
0.4414

80.6327, 0.3031,
0.3377


 62.8008, 0.2599,
0.4553

 84.9772, 0.3133,
0.3285

 62.7743, 0.2601,
0.4562

 88.5044, 0.3190,
0.3201

 89.0526, 0.3136,
0.3117

 89.0551, 0.3135,
0.3117

Harmonies

Analogous

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



68.4565, 0.3200, 0.4221



68.4565, 0.2684, 0.3847



68.4565, 0.2308, 0.3298

Triad

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



68.4565, 0.2684, 0.3847



68.4565, 0.2505, 0.2427



68.4565, 0.4217, 0.3621

Complementary

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



68.4565, 0.2684, 0.3847



34.0704, 0.3988, 0.2816

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.



68.4565, 0.4007, 0.3193



68.4565, 0.2684, 0.3847



68.4565, 0.2977, 0.2538

Square

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



68.4565, 0.2684, 0.3847



68.4565, 0.2216, 0.2511



68.4565, 0.3535, 0.2810



68.4565, 0.4102, 0.4015

Rectangle

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



68.4565, 0.2684, 0.3847



68.4565, 0.2175, 0.2954



68.4565, 0.3535, 0.2810



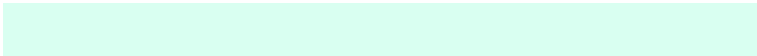
68.4565, 0.4183, 0.3478

Sweetspot

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



68.4592, 0.2684, 0.3847



92.5810, 0.2974, 0.3434



69.9103, 0.3328, 0.4733



19.6178, 0.2953, 0.3457



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.



68.4592, 0.2684, 0.3847



78.6528, 0.2629, 0.3983



63.0694, 0.2448, 0.3118



17.0225, 0.3030, 0.3378



34.2948, 0.2594, 0.4539



2.7114, 0.2540, 0.4345

Inverse Universe

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



34.0704, 0.3988, 0.2816



33.8041, 0.4264, 0.2741



36.3029, 0.4440, 0.3445



15.1456, 0.3235, 0.3204



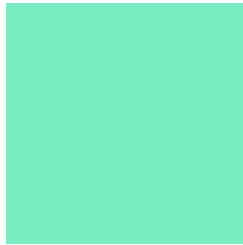
10.2295, 0.5505, 0.2806



0.8212, 0.5126, 0.2597

Previews

White Background



This preview shows how the Yxy color 68.4565, 0.2684, 0.3847 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 68.4565, 0.2684, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

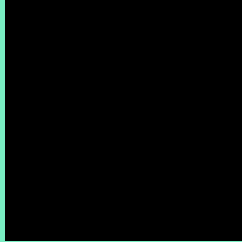
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4565, 0.2684, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 68.4565, 0.2684, 0.3847.

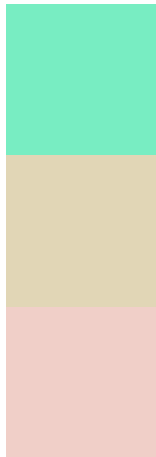


This preview shows how white text looks on a background with the Yxy color 68.4565, 0.2684, 0.3847.

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

68.4565, 0.2684, 0.3847

Protanopia

67.4781, 0.3436, 0.3648

Deuteranopia

67.3210, 0.3433, 0.3366



Tritanopia

68.5218, 0.2478, 0.3074

Trichromacy



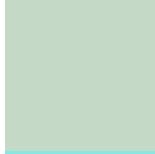
Original Color

68.4565, 0.2684, 0.3847



Protanomaly

66.3525, 0.3114, 0.3724



Deuteranomaly

65.9558, 0.3102, 0.3525



Tritanomaly

68.6251, 0.2555, 0.3350

Monochromacy



Original Color

68.4565, 0.2684, 0.3847



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.5075, 0.2926, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4565, 0.2684, 0.3847 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(120, 237, 194)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 194)  
}
```

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(120, 237, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 194) }
```

Border

The CSS property to change the border of an element to Yxy 68.4565, 0.2684, 0.3847 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(120, 237, 194) }
```

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

```
.border{ border-color:rgb(120, 237, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 194);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4565, 0.2684, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 194) }
```

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

```
.background{ background-color: rgb(120,  
237, 194) }
```

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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