

Converting Colors

$Yxy(68.5186, 0.2677, 0.3828)$

Have a look what the booklet for
Yxy(68.5186, 0.2677, 0.3828)
contains.

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Color

Yxy(68.5016, 0.2679, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	78EDC3
RGB	120, 237, 195
RGB Percent	47%, 93%, 76%
CMY	0.5295, 0.0706, 0.2352
CMYK	0.49, 0.00, 0.18, 0.07
HSL	158°, 76%, 70%
HSV	158°, 49%, 93%
XYZ	47.8778, 68.5016, 62.3359
YIQ	197.2290, -56.2500, -37.8660

Conversions

Conversions Part 2

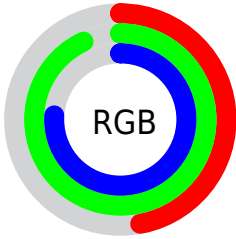
Format	Color
RYB	120, 191, 237
Decimal	7925187
CIELab	86.26, -42.93, 10.24
CIELCh	86, 44.131, 166.589
Yxy	68.5016, 0.2679, 0.3833
Android (android.graphics.Color)	4286115267 (0xFF78EDC3)
YUV	197.2290, -1.0989, -67.7298
Hunter-Lab	82.7657, -41.5823, 13.2810

Details

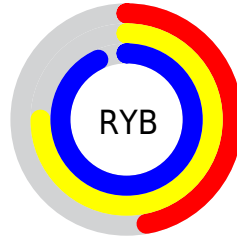
The Yxy color **68.5016, 0.2679, 0.3833** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.0385, 0.4000, 0.2827**, and the grayscale version is **56.0099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0133, 0.2705, 0.3321**, and **35.4954, 0.2569, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **66.6410, 0.2623, 0.3967**, and if you desaturate by 10%, it is **70.8088, 0.2751, 0.3705**.

Distribution



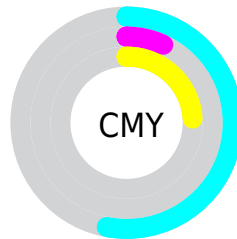
- Red (47%)
- Green (93%)
- Blue (76%)



- 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 68.5016, 0.2679, 0.3833 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 68.5016, 0.2679, 0.3833 by changing the saturation by 10% instead.

 68.5016, 0.2679,
0.3833


 68.5016, 0.2679,
0.3833


455.2712, 0.2892,
0.3570

 50.3059, 0.2629,
0.3896


 117.0694, 0.2754,
0.3739

 35.6565, 0.2566,
0.3976


 148.2104, 0.2783,
0.3703

 24.1690, 0.2485,
0.4080

 184.4352, 0.2808,
0.3673

 15.4591, 0.2378,
0.4220

226.1283, 0.2829,
0.3647

 9.1422, 0.2228,
0.4420

273.6740, 0.2848,
0.3624

 4.8341, 0.2006,
0.4726

327.4568, 0.2865,

 2.1502, 0.1622,

0.3604

0.5264

387.8611, 0.2879,
0.3586

0.6926, 0.0000,
0.9472

0.0000, 0.0000,
0.0000

68.5016, 0.2679,
0.3833

68.5016, 0.2679,
0.3833

66.6410, 0.2623,
0.3967

70.8088, 0.2751,
0.3705

65.1870, 0.2585,
0.4106


73.5832, 0.2836,
0.3586

64.1059, 0.2567,
0.4246


76.8535, 0.2929,
0.3476


63.3547, 0.2570,
0.4385


80.6441, 0.3030,
0.3375

 62.8655, 0.2590,
0.4522

 84.9774, 0.3134,
0.3285

 62.8387, 0.2592,
0.4530

 88.4888, 0.3191,
0.3203

 89.0232, 0.3138,
0.3121

 89.0527, 0.3135,
0.3117

Harmonies

Analogous

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



68.5016, 0.3190, 0.4209



68.5016, 0.2679, 0.3833



68.5016, 0.2309, 0.3288

Triad

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



68.5016, 0.2679, 0.3833



68.5016, 0.2517, 0.2433



68.5016, 0.4210, 0.3627

Complementary

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



68.5016, 0.2679, 0.3833



34.0385, 0.4000, 0.2827

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.



68.5016, 0.4007, 0.3202



68.5016, 0.2679, 0.3833



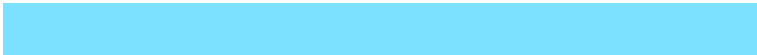
68.5016, 0.2988, 0.2547

Square

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



68.5016, 0.2679, 0.3833



68.5016, 0.2226, 0.2513



68.5016, 0.3543, 0.2820



68.5016, 0.4090, 0.4017

Rectangle

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



68.5016, 0.2679, 0.3833



68.5016, 0.2179, 0.2948



68.5016, 0.3543, 0.2820



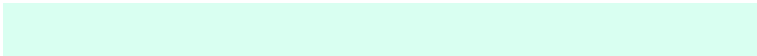
68.5016, 0.4178, 0.3485

Sweetspot

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



68.5043, 0.2679, 0.3833



92.6008, 0.2972, 0.3431



69.7022, 0.3314, 0.4738



19.6226, 0.2951, 0.3453



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.



68.5043, 0.2679, 0.3833



78.7140, 0.2623, 0.3965



62.0313, 0.2443, 0.3093



17.0248, 0.3029, 0.3376



34.3311, 0.2585, 0.4508



2.7141, 0.2533, 0.4318

Inverse Universe

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



34.0385, 0.4000, 0.2827



33.7587, 0.4281, 0.2754



36.8497, 0.4427, 0.3467



15.1434, 0.3237, 0.3206



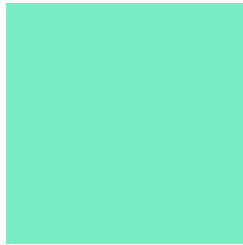
10.2110, 0.5539, 0.2825



0.8196, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 68.5016, 0.2679, 0.3833 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 68.5016, 0.2679, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

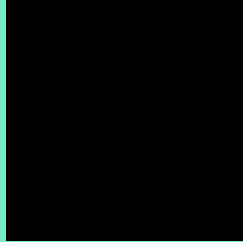
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5016, 0.2679, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 68.5016, 0.2679, 0.3833.

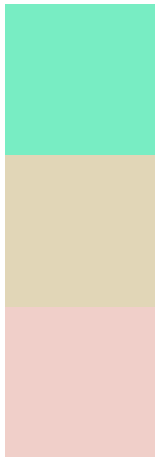


This preview shows how white text looks on a background with the Yxy color 68.5016, 0.2679, 0.3833.

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

68.5016, 0.2679, 0.3833

Protanopia

67.5196, 0.3428, 0.3637

Deuteranopia

67.3680, 0.3426, 0.3355



Tritanopia

68.5218, 0.2478, 0.3074

Trichromacy



Original Color

68.5016, 0.2679, 0.3833



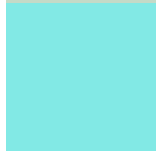
Protanomaly

66.3952, 0.3107, 0.3712



Deuteranomaly

66.0021, 0.3095, 0.3513



Tritanomaly

68.6808, 0.2551, 0.3337

Monochromacy



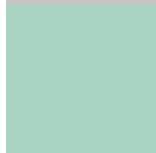
Original Color

68.5016, 0.2679, 0.3833



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 68.5016, 0.2679, 0.3833 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 195) }
```

Border

The CSS property to change the border of an element to Yxy 68.5016, 0.2679, 0.3833 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, 195) }
```

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

```
.border{ border-color:rgb(120, 237, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 195);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5016, 0.2679, 0.3833 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, 195) }
```

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

```
.background{ background-color: rgb(120,  
237, 195) }
```

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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