

Converting Colors

$Y_{xy}(68.8568, 0.2562, 0.3898)$

Have a look what the booklet for
Yxy(68.8568, 0.2562, 0.3898)
contains.

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Color

Yxy(68.8770, 0.2561, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	57F1C3
RGB	87, 241, 195
RGB Percent	34%, 95%, 76%
CMY	0.6585, 0.0549, 0.2353
CMYK	0.64, 0.00, 0.19, 0.05
HSL	162°, 85%, 64%
HSV	162°, 64%, 95%
XYZ	45.2408, 68.8770, 62.5352
YIQ	189.7100, -77.0180, -46.9540

Conversions

Conversions Part 2

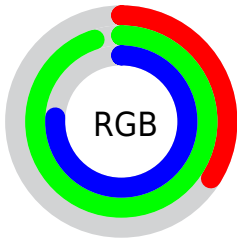
Format	Color
RYB	87, 178, 241
Decimal	5763523
CIELab	86.44, -51.17, 10.38
CIElCh	86, 52.215, 168.534
Yxy	68.8770, 0.2561, 0.3899
Android (android.graphics.Color)	4283953603 (0xFF57F1C3)
YUV	189.7100, 2.6080, -90.0767
Hunter-Lab	82.9922, -47.9321, 13.4191

Details

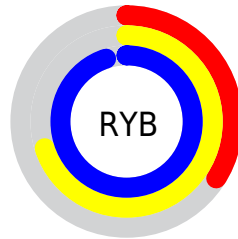
The Yxy color **68.8770, 0.2561, 0.3899** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **27.2263, 0.4561, 0.2827**, and the grayscale version is **51.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1276, 0.2579, 0.3322**, and **36.2041, 0.2461, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **67.5876, 0.2527, 0.4013**, and if you desaturate by 10%, it is **70.5746, 0.2614, 0.3787**.

Distribution



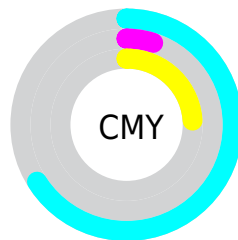
- Red (34%)
- Green (95%)
- Blue (76%)



- Red (34%)
- Yellow (70%)
- Blue (95%)



- Cyan (64%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)




- Cyan (66%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8770, 0.2561, 0.3899 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 68.8770, 0.2561, 0.3899 by changing the saturation by 10% instead.


 68.8770, 0.2561,
0.3899


 68.8770, 0.2561,
0.3899


456.5970, 0.2830,
0.3604


 50.6115, 0.2498,
0.3970

 117.6059, 0.2655,
0.3794

 35.8996, 0.2420,
0.4059


 148.8381, 0.2692,
0.3754

 24.3566, 0.2320,
0.4176


 185.1613, 0.2723,
0.3719

 15.5984, 0.2187,
0.4332

 226.9600, 0.2750,
0.3690

 9.2404, 0.2005,
0.4555

274.6186, 0.2774,
0.3664

 4.8983, 0.1738,
0.4894


328.5213, 0.2794,

 2.1877, 0.1216,

0.3642

0.5531


389.0527, 0.2813,
0.3621

 0.7133, 0.0000,
0.9333

 0.0000, 0.0000,
0.0000

 68.8770, 0.2561,
0.3899


 68.8770, 0.2561,
0.3899


 67.5876, 0.2527,
0.4013

 70.5746, 0.2614,
0.3787

 66.6579, 0.2514,
0.4128


 72.7073, 0.2685,
0.3680


 66.0414, 0.2520,
0.4242

 75.3089, 0.2770,
0.3578

 65.7729, 0.2531,
0.4311

 78.4076, 0.2867,
0.3484

 82.0292, 0.2973,
0.3397

 86.1980, 0.3083,
0.3318

 90.7877, 0.3192,
0.3247

 91.2373, 0.3148,
0.3178

 91.3896, 0.3133,
0.3156

Harmonies

Analogous

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



68.8770, 0.3148, 0.4375



68.8770, 0.2561, 0.3899



68.8770, 0.2152, 0.3235

Triad

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



68.8770, 0.2561, 0.3899



68.8770, 0.2443, 0.2301



68.8770, 0.4405, 0.3696

Complementary

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



68.8770, 0.2561, 0.3899



27.2263, 0.4561, 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.



68.8770, 0.4194, 0.3208



68.8770, 0.2561, 0.3899



68.8770, 0.3000, 0.2446

Square

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



68.8770, 0.2561, 0.3899



68.8770, 0.2097, 0.2369



68.8770, 0.3655, 0.2768



68.8770, 0.4230, 0.4151

Rectangle

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



68.8770, 0.2561, 0.3899



68.8770, 0.2019, 0.2842



68.8770, 0.3655, 0.2768



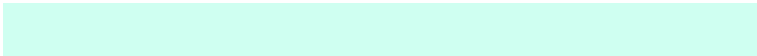
68.8770, 0.4378, 0.3533

Sweetspot

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



68.8797, 0.2561, 0.3899



91.0428, 0.2917, 0.3441



68.6067, 0.3261, 0.5217



19.2402, 0.2887, 0.3467



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.



68.8797, 0.2561, 0.3899



76.4389, 0.2520, 0.4052



54.5806, 0.2271, 0.2888



17.8438, 0.3021, 0.3362



35.6926, 0.2526, 0.4293



2.9867, 0.2484, 0.4144

Inverse Universe

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



27.2263, 0.4561, 0.2827



25.6444, 0.5050, 0.2814



32.3154, 0.4956, 0.3602



15.8366, 0.3246, 0.3220



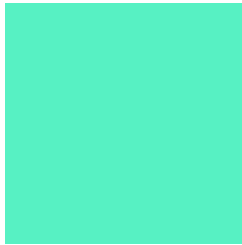
10.4157, 0.5766, 0.2950



0.8834, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 68.8770, 0.2561, 0.3899 looks on a white background.

Color Contrast Check

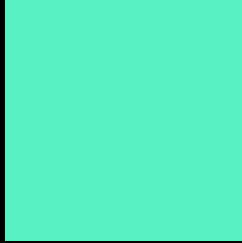
Large Text (above 18pt) WCAG AA × Fail

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 68.8770, 0.2561, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

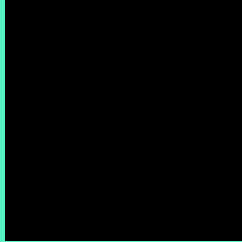
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8770, 0.2561, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 68.8770, 0.2561, 0.3899.

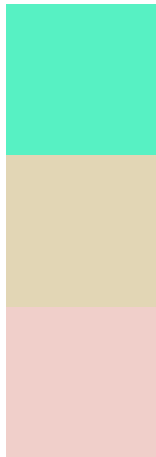


This preview shows how white text looks on a background with the Yxy color 68.8770, 0.2561, 0.3899.

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

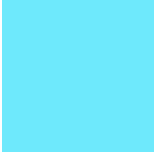
68.8770, 0.2561, 0.3899

Protanopia

67.5981, 0.3451, 0.3659

Deuteranopia

67.4152, 0.3418, 0.3344



Tritanopia

68.6211, 0.2369, 0.3059

Trichromacy



Original Color

68.8770, 0.2561, 0.3899



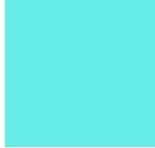
Protanomaly

65.9704, 0.3030, 0.3758



Deuteranomaly

64.9769, 0.3011, 0.3531



Tritanomaly

68.5852, 0.2438, 0.3351

Monochromacy



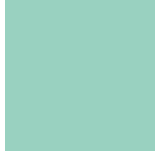
Original Color

68.8770, 0.2561, 0.3899



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.1790, 0.2842, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8770, 0.2561, 0.3899 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(87, 241, 195)` looks like.

```
.text, #text, p{  
    color:rgb(87, 241, 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(87, 241, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 241, 195) }
```

Border

The CSS property to change the border of an element to Yxy 68.8770, 0.2561, 0.3899 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(87, 241, 195) }
```

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

```
.border{ border-color:rgb(87, 241, 195) }
```

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

Here you see how a box with a 4 pixel rgb(87, 241, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 241, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 241, 195);  
box-shadow:4px 4px 4px 4px rgb(87, 241,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8770, 0.2561, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 241, 195) }
```

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

```
.background{ background-color: rgb(87, 241,  
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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