

Converting Colors

$Y_{xy}(70.3750, 0.2573, 0.3837)$

Have a look what the booklet for
Yxy(70.3750, 0.2573, 0.3837)
contains.

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Color

Yxy(70.2158, 0.2574, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	61F2C8
RGB	97, 242, 200
RGB Percent	38%, 95%, 78%
CMY	0.6192, 0.0510, 0.2157
CMYK	0.60, 0.00, 0.17, 0.05
HSL	163°, 85%, 66%
HSV	163°, 60%, 95%
XYZ	47.1156, 70.2158, 65.7129
YIQ	193.8570, -72.9380, -43.8020

Conversions

Conversions Part 2

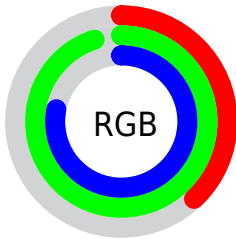
Format	Color
R_{YB}	97, 182, 242
Decimal	6419144
CIE _{Lab}	87.10, -48.70, 8.75
CIE _{LCh}	87, 49.476, 169.816
Yxy	70.2158, 0.2574, 0.3836
Android (android.graphics.Color)	4284609224 (0xFF61F2C8)
YUV	193.8570, 3.0285, -84.9436
Hunter-Lab	83.7949, -46.2753, 12.1605

Details

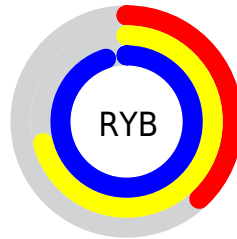
The Yxy color **70.2158, 0.2574, 0.3836** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **29.3134, 0.4441, 0.2857**, and the grayscale version is **53.8921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **36.7732, 0.2439, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **68.7636, 0.2531, 0.3946**, and if you desaturate by 10%, it is **72.0941, 0.2635, 0.3729**.

Distribution



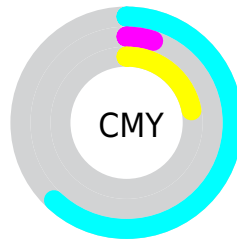
- Red (38%)
- Green (95%)
- Blue (78%)



- Red (38%)
- Yellow (71%)
- Blue (95%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (62%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2158, 0.2574, 0.3836 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 70.2158, 0.2574, 0.3836 by changing the saturation by 10% instead.


 70.2158, 0.2574,
0.3836

 70.2158, 0.2574,
0.3836

461.3074, 0.2834,
0.3573

 51.7025, 0.2514,
0.3898

 119.5164, 0.2665,
0.3743


 36.7680, 0.2438,
0.3977


 151.0726, 0.2700,
0.3707

 25.0279, 0.2343,
0.4078


 187.7451, 0.2731,
0.3677

 16.0978, 0.2217,
0.4215

 229.9184, 0.2757,
0.3651

 9.5934, 0.2044,
0.4407

277.9769, 0.2780,
0.3628

 5.1302, 0.1793,
0.4696

332.3049, 0.2800,

 2.3239, 0.1366,

0.3607

0.5198

393.2870, 0.2818,
0.3589

0.7863, 0.0000,
0.7627

0.0000, 0.0000,
0.0000

70.2158, 0.2574,
0.3836

70.2158, 0.2574,
0.3836

68.7636, 0.2531,
0.3946

72.0941, 0.2635,
0.3729

67.6907, 0.2509,
0.4057

74.4236, 0.2713,
0.3628

66.9544, 0.2507,
0.4168


77.2374, 0.2804,
0.3532

66.4794, 0.2522,
0.4277


80.5628, 0.2906,
0.3443

 66.4738, 0.2522,
0.4278

 84.4253, 0.3015,
0.3362

 88.8486, 0.3129,
0.3289

 91.6066, 0.3169,
0.3222

 91.9809, 0.3133,
0.3165

Harmonies

Analogous

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



70.2158, 0.3125, 0.4293



70.2158, 0.2574, 0.3836



70.2158, 0.2194, 0.3216

Triad

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



70.2158, 0.2574, 0.3836



70.2158, 0.2499, 0.2353



70.2158, 0.4332, 0.3701

Complementary

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



70.2158, 0.2574, 0.3836



29.3134, 0.4441, 0.2857

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.



70.2158, 0.4147, 0.3236



70.2158, 0.2574, 0.3836



70.2158, 0.3035, 0.2499

Square

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



70.2158, 0.2574, 0.3836



70.2158, 0.2159, 0.2412



70.2158, 0.3651, 0.2812



70.2158, 0.4156, 0.4125

Rectangle

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



70.2158, 0.2574, 0.3836



70.2158, 0.2072, 0.2851



70.2158, 0.3651, 0.2812



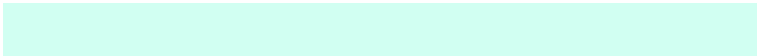
70.2158, 0.4311, 0.3546

Sweetspot

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



70.2186, 0.2574, 0.3836



91.4825, 0.2925, 0.3428



69.9917, 0.3265, 0.5098



19.3271, 0.2894, 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.



70.2186, 0.2574, 0.3836



77.1289, 0.2524, 0.3972



56.5554, 0.2309, 0.2917



17.8463, 0.3019, 0.3359



35.7371, 0.2517, 0.4260



2.9902, 0.2477, 0.4116

Inverse Universe

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



29.3134, 0.4441, 0.2857



27.2884, 0.4889, 0.2827



34.6856, 0.4791, 0.3593



15.8342, 0.3248, 0.3222



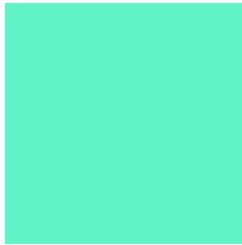
10.4000, 0.5797, 0.2967



0.8818, 0.5424, 0.2762

Previews

White Background



This preview shows how the Yxy color 70.2158, 0.2574, 0.3836 looks on a white background.

Color Contrast Check

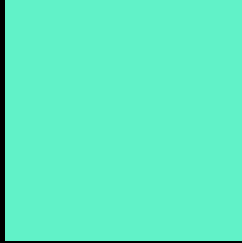
Large Text (above 18pt) WCAG AA × Fail

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 70.2158, 0.2574, 0.3836 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 70.2158, 0.2574, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 70.2158, 0.2574, 0.3836.

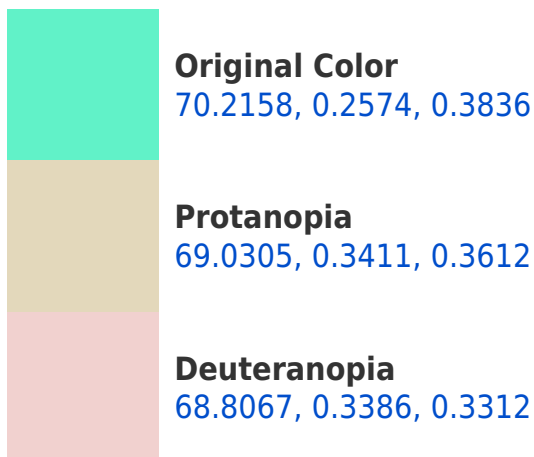


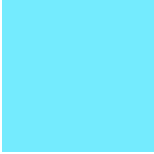
This preview shows how white text looks on a background with the Yxy color 70.2158, 0.2574, 0.3836.

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





Tritanopia

70.2854, 0.2387, 0.3062

Trichromacy



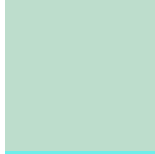
Original Color

70.2158, 0.2574, 0.3836



Protanomaly

67.3595, 0.3027, 0.3689



Deuteranomaly

66.8914, 0.3013, 0.3491



Tritanomaly

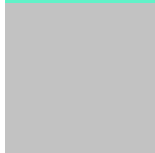
70.3408, 0.2455, 0.3337

Monochromacy



Original Color

70.2158, 0.2574, 0.3836



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.9450, 0.2858, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2158, 0.2574, 0.3836 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(97, 242, 200)` looks like.

```
.text, #text, p{  
    color:rgb(97, 242, 200)  
}
```

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(97, 242, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 242, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.2158, 0.2574, 0.3836 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(97, 242, 200) }
```

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

```
.border{ border-color:rgb(97, 242, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 242, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 242, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 242, 200);  
box-shadow:4px 4px 4px 4px rgb(97, 242,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2158, 0.2574, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 242, 200) }
```

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

```
.background{ background-color: rgb(97, 242,  
200) }
```

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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