

Converting Colors

$Y_{xy}(75.8451, 0.2577, 0.3774)$

Have a look what the booklet for
Yxy(75.8451, 0.2577, 0.3774)
contains.

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Color

Yxy(75.5803, 0.2575, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	6BF9D3
RGB	107, 249, 211
RGB Percent	42%, 98%, 83%
CMY	0.5805, 0.0235, 0.1727
CMYK	0.57, 0.00, 0.15, 0.02
HSL	164°, 92%, 70%
HSV	164°, 57%, 98%
XYZ	51.6917, 75.5803, 73.4725
YIQ	202.2100, -72.4340, -41.9220

Conversions

Conversions Part 2

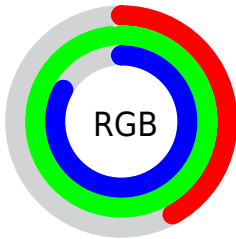
Format	Color
R _Y B	107, 189, 249
Decimal	7076307
CIE Lab	89.66, -47.32, 6.76
CIE LCh	90, 47.800, 171.873
Yxy	75.5803, 0.2575, 0.3765
Android (android.graphics.Color)	4285266387 (0xFF6BF9D3)
YUV	202.2100, 4.3335, -83.4992
Hunter-Lab	86.9369, -46.0056, 10.7485

Details

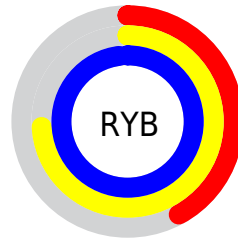
The Yxy color **75.5803, 0.2575, 0.3765** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.6973, 0.4389, 0.2903**, and the grayscale version is **59.2038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **40.4096, 0.2444, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **73.9286, 0.2525, 0.3865**, and if you desaturate by 10%, it is **77.6961, 0.2643, 0.3668**.

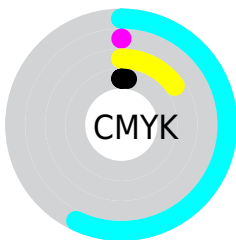
Distribution



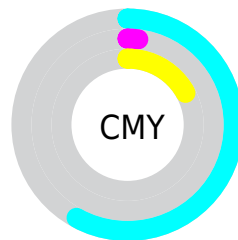
- Red (42%)
- Green (98%)
- Blue (83%)



- Red (42%)
- Yellow (74%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5803, 0.2575, 0.3765 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 75.5803, 0.2575, 0.3765 by changing the saturation by 10% instead.

 75.5803, 0.2575,
0.3765


 75.5803, 0.2575,
0.3765


479.9098, 0.2830,
0.3541

 56.0884, 0.2517,
0.3817


 127.1335, 0.2663,
0.3687

 40.2738, 0.2445,
0.3882


 159.9635, 0.2698,
0.3656

 27.7521, 0.2355,
0.3965


 198.0085, 0.2728,
0.3630

 18.1389, 0.2237,
0.4075

241.6527, 0.2753,
0.3608

 11.0497, 0.2078,
0.4226

291.2805, 0.2776,
0.3588

 6.1003, 0.1853,
0.4448


347.2763, 0.2796,

 2.9062, 0.1513,


0.3570


0.4801


410.0246, 0.2814,
0.3555


 1.0829, 0.0000,
0.6100

 0.0000, 0.0000,
0.0000


 75.5803, 0.2575,
0.3765


 75.5803, 0.2575,
0.3765


 73.9286, 0.2525,
0.3865

 77.6961, 0.2643,
0.3668


 72.6925, 0.2495,
0.3967

 80.3018, 0.2727,
0.3576

 71.8286, 0.2486,
0.4069


 83.4317, 0.2824,
0.3490

 71.2778, 0.2495,
0.4169

 87.1147, 0.2931,
0.3410

 71.1477, 0.2500,
0.4199

 91.3774, 0.3045,
0.3337

 95.9811, 0.3154,
0.3271

 96.2370, 0.3130,
0.3233

Harmonies

Analogous

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



75.5803, 0.3091, 0.4211



75.5803, 0.2575, 0.3765



75.5803, 0.2226, 0.3185

Triad

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



75.5803, 0.2575, 0.3765



75.5803, 0.2563, 0.2404



75.5803, 0.4263, 0.3715

Complementary

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



75.5803, 0.2575, 0.3765



32.6973, 0.4389, 0.2903

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.



75.5803, 0.4111, 0.3272



75.5803, 0.2575, 0.3765



75.5803, 0.3081, 0.2555

Square

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



75.5803, 0.2575, 0.3765



75.5803, 0.2224, 0.2448



75.5803, 0.3660, 0.2863



75.5803, 0.4080, 0.4107

Rectangle

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



75.5803, 0.2575, 0.3765



75.5803, 0.2120, 0.2848



75.5803, 0.3660, 0.2863



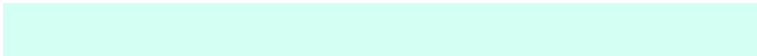
75.5803, 0.4251, 0.3569

Sweetspot

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



75.5833, 0.2575, 0.3765



91.9598, 0.2931, 0.3410



75.0416, 0.3252, 0.5020



19.5054, 0.2909, 0.3425



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.



75.5833, 0.2575, 0.3765



77.8777, 0.2521, 0.3876



60.2300, 0.2330, 0.2906



19.5246, 0.3016, 0.3354



38.1060, 0.2495, 0.4183



3.5469, 0.2462, 0.4062

Inverse Universe

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



32.6973, 0.4389, 0.2903



28.7940, 0.4795, 0.2869



39.3085, 0.4663, 0.3610



17.3016, 0.3252, 0.3227



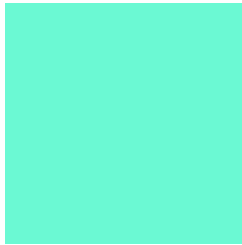
11.0154, 0.5876, 0.3011



1.0370, 0.5542, 0.2827

Previews

White Background



This preview shows how the Yxy color 75.5803, 0.2575, 0.3765 looks on a white background.

Color Contrast Check

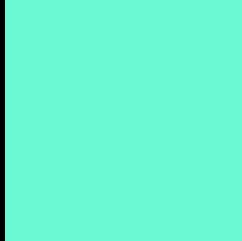
Large Text (above 18pt) WCAG AA × Fail

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 75.5803, 0.2575, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

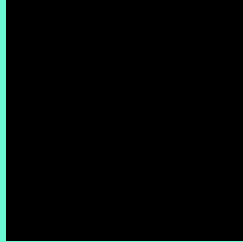
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5803, 0.2575, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 75.5803, 0.2575, 0.3765.

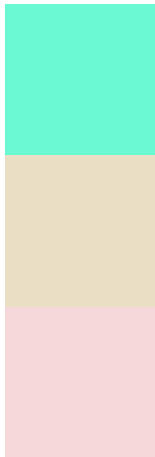


This preview shows how white text looks on a background with the Yxy color 75.5803, 0.2575, 0.3765.

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

75.5803, 0.2575, 0.3765

Protanopia

74.2990, 0.3382, 0.3569

Deuteranopia

73.9478, 0.3342, 0.3270



Tritanopia

75.3426, 0.2528, 0.3106

Trichromacy



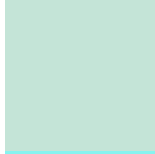
Original Color

75.5803, 0.2575, 0.3765



Protanomaly

72.6689, 0.3018, 0.3640



Deuteranomaly

72.1289, 0.2992, 0.3438



Tritanomaly

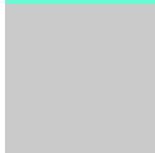
75.4015, 0.2542, 0.3336

Monochromacy



Original Color

75.5803, 0.2575, 0.3765



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.2863, 0.2860, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5803, 0.2575, 0.3765 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(107, 249, 211)` looks like.

```
.text, #text, p{  
    color:rgb(107, 249, 211)  
}
```

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(107, 249, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 249, 211) }
```

Border

The CSS property to change the border of an element to Yxy 75.5803, 0.2575, 0.3765 is called "border". The border property can be set on classes, ids or directly on the HTML element.

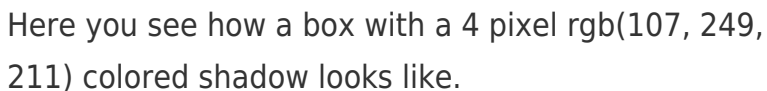
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 249, 211) }
```

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

```
.border{ border-color:rgb(107, 249, 211) }
```

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



Here you see how a box with a 4 pixel rgb(107, 249, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 249, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 249, 211);  
box-shadow:4px 4px 4px 4px rgb(107, 249,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5803, 0.2575, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 249, 211) }
```

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

```
.background{ background-color: rgb(107,  
249, 211) }
```

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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