

Converting Colors

$Y_{xy}(100.1139, 0.2654, 0.4158)$

Have a look what the booklet for
Yxy(100.1139, 0.2654, 0.4158)
contains.

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Color

Yxy(79.3613, 0.2596, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	6CFFD2
RGB	108, 255, 210
RGB Percent	42%, 100%, 82%
CMY	0.5762, 0.0000, 0.1765
CMYK	0.58, 0.00, 0.18, 0.00
HSL	162°, 100%, 71%
HSV	162°, 58%, 100%
XYZ	53.5818, 79.3613, 73.4582
YIQ	205.9170, -73.1670, -45.1590

Conversions

Conversions Part 2

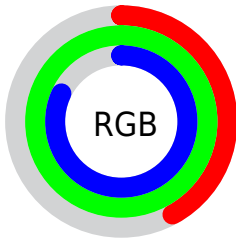
Format	Color
RYB	108, 195, 255
Decimal	7143378
CIELab	91.40, -49.88, 9.76
CIElCh	91, 50.822, 168.931
Yxy	79.3613, 0.2596, 0.3845
Android (android.graphics.Color)	4285333458 (0xFF6CFFD2)
YUV	205.9170, 2.0129, -85.8732
Hunter-Lab	89.0850, -48.5366, 13.4698

Details

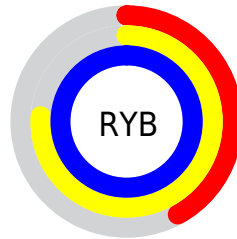
The Yxy color **79.3613, 0.2596, 0.3845** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.3023, 0.4338, 0.2842**, and the grayscale version is **61.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **42.6088, 0.2468, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **77.6115, 0.2551, 0.3961**, and if you desaturate by 10%, it is **81.6039, 0.2660, 0.3732**.

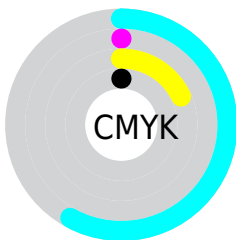
Distribution



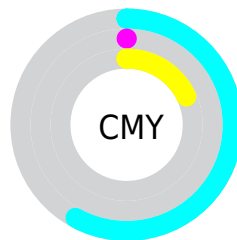
- Red (42%)
- Green (100%)
- Blue (82%)



- Red (42%)
- Yellow (76%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3613, 0.2596, 0.3845 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 79.3613, 0.2596, 0.3845 by changing the saturation by 10% instead.


 79.3613, 0.2596,
0.3845

 79.3613, 0.2596,
0.3845


492.7778, 0.2841,
0.3583


 59.1929, 0.2540,
0.3906


 132.4674, 0.2681,
0.3753

 42.7684, 0.2472,
0.3982


 166.1739, 0.2714,
0.3718

 29.7035, 0.2385,
0.4079


 205.1618, 0.2742,
0.3687

 19.6136, 0.2272,
0.4207

249.8157, 0.2767,
0.3661

 12.1145, 0.2120,
0.4384

300.5198, 0.2789,
0.3638

 6.8217, 0.1906,
0.4643

357.6586, 0.2809,

 3.3508, 0.1582,

0.3618

0.5054

421.6164, 0.2826,
0.3599

■ 1.3175, 0.0000,
0.6557

■ 0.1547, 0.0000,
1.0000

■ 79.3613, 0.2596,
0.3845

■ 79.3613, 0.2596,
0.3845

■ 77.6115, 0.2551,
0.3961

■ 81.6039, 0.2660,
0.3732

■ 76.3027, 0.2525,
0.4080

■ 84.3671, 0.2739,
0.3625


■ 75.3883, 0.2521,
0.4198

■ 87.6876, 0.2832,
0.3525

■ 74.8027, 0.2535,
0.4314

■ 91.5961, 0.2933,
0.3433

 74.6890, 0.2539,
0.4342

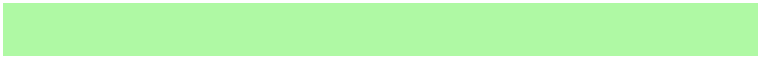
 96.1211, 0.3042,
0.3349

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



79.3613, 0.3144, 0.4286



79.3613, 0.2596, 0.3845



79.3613, 0.2213, 0.3236

Triad

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



79.3613, 0.2596, 0.3845



79.3613, 0.2495, 0.2363



79.3613, 0.4315, 0.3684

Complementary

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



79.3613, 0.2596, 0.3845



34.3023, 0.4338, 0.2842

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.



79.3613, 0.4122, 0.3224



79.3613, 0.2596, 0.3845



79.3613, 0.3019, 0.2502

Square

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



79.3613, 0.2596, 0.3845



79.3613, 0.2165, 0.2428



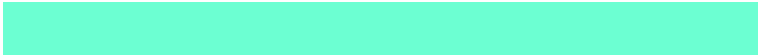
79.3613, 0.3627, 0.2807



79.3613, 0.4153, 0.4104

Rectangle

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



79.3613, 0.2596, 0.3845



79.3613, 0.2088, 0.2872



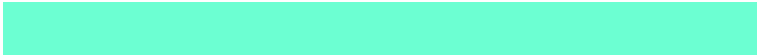
79.3613, 0.3627, 0.2807



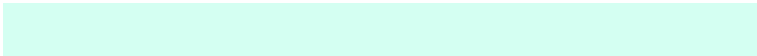
79.3613, 0.4291, 0.3531

Sweetspot

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



79.3644, 0.2596, 0.3845



91.8591, 0.2940, 0.3427



79.5323, 0.3280, 0.5025



19.4815, 0.2919, 0.3445



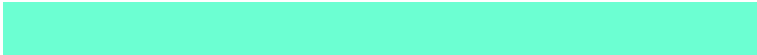
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3644, 0.2596, 0.3845



77.4061, 0.2546, 0.3978



65.9334, 0.2337, 0.2963



20.3811, 0.3021, 0.3364



39.0549, 0.2534, 0.4323



3.8222, 0.2497, 0.4190

Inverse Universe

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



34.3023, 0.4338, 0.2842



28.5513, 0.4734, 0.2800



39.6739, 0.4724, 0.3562



18.0787, 0.3246, 0.3217



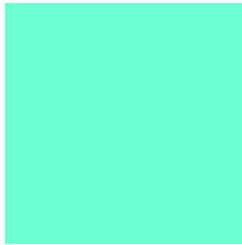
11.4203, 0.5746, 0.2939



1.1305, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 79.3613, 0.2596, 0.3845 looks on a white background.

Color Contrast Check

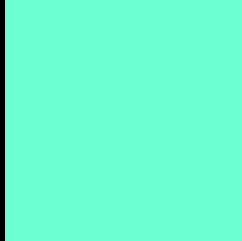
Large Text (above 18pt) WCAG AA × Fail

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 79.3613, 0.2596, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

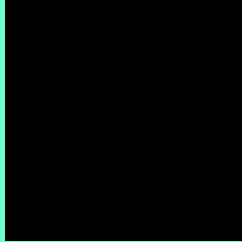
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.3613, 0.2596, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 79.3613, 0.2596, 0.3845.

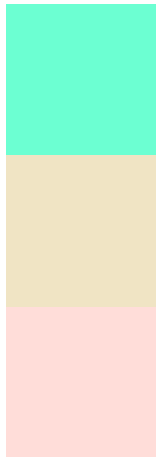


This preview shows how white text looks on a background with the Yxy color 79.3613, 0.2596, 0.3845.

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

79.3613, 0.2596, 0.3845

Protanopia

77.9976, 0.3425, 0.3627

Deuteranopia

77.9827, 0.3401, 0.3331



Tritanopia

78.6766, 0.2632, 0.3134

Trichromacy



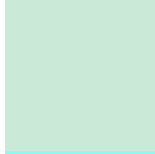
Original Color

79.3613, 0.2596, 0.3845



Protanomaly

76.5726, 0.3049, 0.3714



Deuteranomaly

75.6894, 0.3037, 0.3503



Tritanomaly

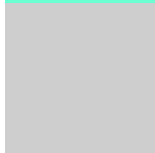
78.3466, 0.2605, 0.3370

Monochromacy



Original Color

79.3613, 0.2596, 0.3845



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3624, 0.2871, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3613, 0.2596, 0.3845 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(108, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 210)  
}
```

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(108, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 79.3613, 0.2596, 0.3845 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(108, 255, 210) }
```

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

```
.border{ border-color:rgb(108, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3613, 0.2596, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 210) }
```

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

```
.background{ background-color: rgb(108,  
255, 210) }
```

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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