

Converting Colors

$Yxy(83.9067, 0.2597, 0.3898)$

Have a look what the booklet for
Yxy(83.9067, 0.2597, 0.3898)
contains.

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Color

$\text{Yxy}(79.3376, 0.2580, 0.3820)$

Conversions

Conversions Part 1

Format	Color
Hex	6AFFD4
RGB	106, 255, 212
RGB Percent	42%, 100%, 83%
CMY	0.5844, 0.0000, 0.1687
CMYK	0.58, 0.00, 0.17, 0.00
HSL	163°, 100%, 71%
HSV	163°, 58%, 100%
XYZ	53.5840, 79.3376, 74.7684
YIQ	205.5470, -75.0010, -44.9610

Conversions

Conversions Part 2

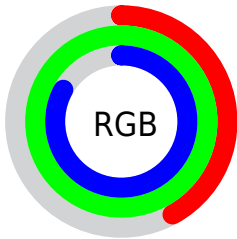
Format	Color
RYB	106, 193, 255
Decimal	7012308
CIELab	91.39, -49.82, 8.70
CIELCh	91, 50.579, 170.093
Yxy	79.3376, 0.2580, 0.3820
Android (android.graphics.Color)	4285202388 (0xFF6AFFD4)
YUV	205.5470, 3.1813, -87.3027
Hunter-Lab	89.0717, -48.4928, 12.5810

Details

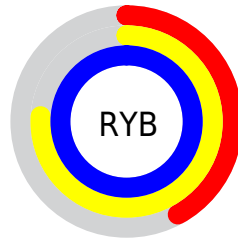
The Yxy color **79.3376, 0.2580, 0.3820** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.7336, 0.4400, 0.2865**, and the grayscale version is **61.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **42.5610, 0.2454, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **77.6363, 0.2535, 0.3929**, and if you desaturate by 10%, it is **81.5166, 0.2644, 0.3714**.

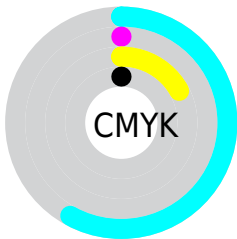
Distribution



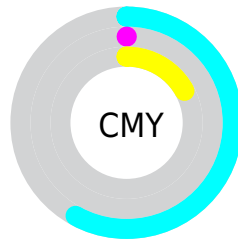
- Red (42%)
- Green (100%)
- Blue (83%)



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



- Cyan (58%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.3376, 0.2580, 0.3820 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 79.3376, 0.2580, 0.3820 by changing the saturation by 10% instead.

 79.3376, 0.2580,
0.3820


 79.3376, 0.2580,
0.3820

492.6977, 0.2832,
0.3571

 59.1734, 0.2523,
0.3878


 132.4340, 0.2667,
0.3733

 42.7527, 0.2453,
0.3950


 166.1351, 0.2701,
0.3699

 29.6912, 0.2364,
0.4041


 205.1172, 0.2730,
0.3670

 19.6043, 0.2250,
0.4162

249.7648, 0.2756,
0.3645

 12.1077, 0.2095,
0.4329

300.4622, 0.2778,
0.3623

 6.8171, 0.1878,
0.4572

357.5939, 0.2798,

 3.3480, 0.1553,

0.3604

0.4955

421.5443, 0.2816,
0.3586

■ 1.3160, 0.0000,
0.6326

■ 0.1535, 0.0000,
1.0000

■ 79.3376, 0.2580,
0.3820

■ 79.3376, 0.2580,
0.3820

■ 77.6363, 0.2535,
0.3929

■ 81.5166, 0.2644,
0.3714

■ 76.3752, 0.2510,
0.4040

■ 84.2161, 0.2724,
0.3613


■ 75.5020, 0.2505,
0.4151

■ 87.4681, 0.2817,
0.3519

■ 74.9459, 0.2518,
0.4260

■ 91.3036, 0.2920,
0.3431

 74.8727, 0.2521,
0.4277

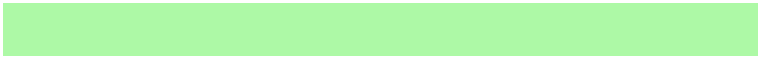
 95.7509, 0.3031,
0.3351

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.3376, 0.3121, 0.4270



79.3376, 0.2580, 0.3820



79.3376, 0.2207, 0.3213

Triad

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



79.3376, 0.2580, 0.3820



79.3376, 0.2515, 0.2369



79.3376, 0.4310, 0.3700

Complementary

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



79.3376, 0.2580, 0.3820



33.7336, 0.4400, 0.2865

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.



79.3376, 0.4131, 0.3242



79.3376, 0.2580, 0.3820



79.3376, 0.3042, 0.2514

Square

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



79.3376, 0.2580, 0.3820



79.3376, 0.2177, 0.2425



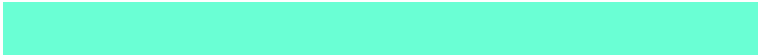
79.3376, 0.3647, 0.2824



79.3376, 0.4136, 0.4115

Rectangle

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



79.3376, 0.2580, 0.3820



79.3376, 0.2089, 0.2855



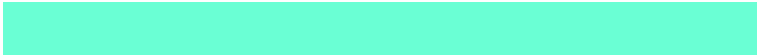
79.3376, 0.3647, 0.2824



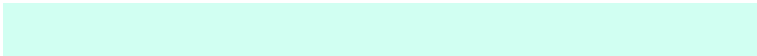
79.3376, 0.4290, 0.3548

Sweetspot

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



79.3359, 0.2580, 0.3820



91.4858, 0.2925, 0.3428



79.1095, 0.3265, 0.5059



19.3279, 0.2894, 0.3452



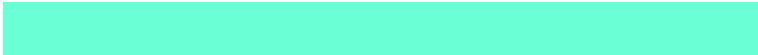
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.3359, 0.2580, 0.3820



77.4118, 0.2529, 0.3946



64.2394, 0.2322, 0.2926



20.3868, 0.3019, 0.3360



39.1498, 0.2516, 0.4259



3.8308, 0.2482, 0.4134

Inverse Universe

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



33.7336, 0.4400, 0.2865



28.0571, 0.4817, 0.2830



39.8478, 0.4740, 0.3590



18.0733, 0.3249, 0.3222



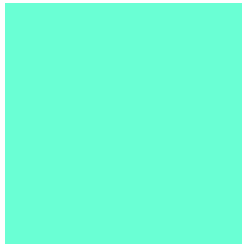
11.3866, 0.5808, 0.2973



1.1266, 0.5488, 0.2797

Previews

White Background



This preview shows how the Yxy color 79.3376, 0.2580, 0.3820 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 79.3376, 0.2580, 0.3820 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

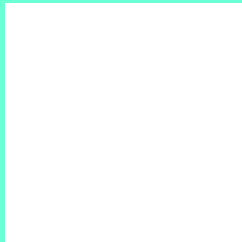
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3376, 0.2580, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 79.3376, 0.2580, 0.3820.

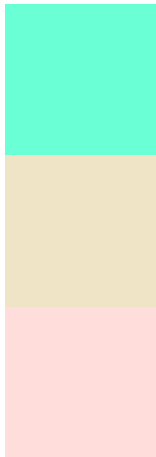


This preview shows how white text looks on a background with the Yxy color 79.3376, 0.2580, 0.3820.

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

79.3376, 0.2580, 0.3820

Protanopia

78.0893, 0.3411, 0.3606

Deuteranopia

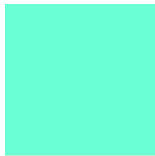
77.8982, 0.3380, 0.3311



Tritanopia

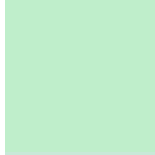
78.5656, 0.2627, 0.3133

Trichromacy



Original Color

79.3376, 0.2580, 0.3820



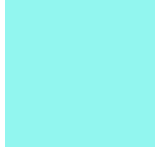
Protanomaly

76.5372, 0.3031, 0.3691



Deuteranomaly

75.5151, 0.3012, 0.3481



Tritanomaly

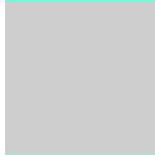
78.2545, 0.2600, 0.3370

Monochromacy



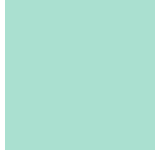
Original Color

79.3376, 0.2580, 0.3820



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.4114, 0.2865, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3376, 0.2580, 0.3820 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(106, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 212)  
}
```

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(106, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 79.3376, 0.2580, 0.3820 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(106, 255, 212) }
```

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

```
.border{ border-color:rgb(106, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(106, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3376, 0.2580, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 212) }
```

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

```
.background{ background-color: rgb(106,  
255, 212) }
```

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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