

Converting Colors

$Y_{xy}(79.1900, 0.2559, 0.3798)$

Have a look what the booklet for
Yxy(79.1900, 0.2559, 0.3798)
contains.

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Color

Yxy(79.1998, 0.2558, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	66FFD6
RGB	102, 255, 214
RGB Percent	40%, 100%, 84%
CMY	0.5998, 0.0000, 0.1607
CMYK	0.60, 0.00, 0.16, 0.00
HSL	164°, 100%, 70%
HSV	164°, 60%, 100%
XYZ	53.3842, 79.1998, 76.1111
YIQ	204.5790, -78.0270, -45.1870

Conversions

Conversions Part 2

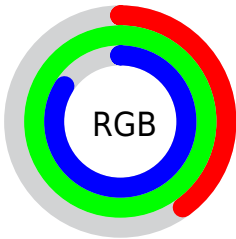
Format	Color
RYB	102, 190, 255
Decimal	6750166
CIELab	91.32, -50.07, 7.54
CIELCh	91, 50.636, 171.431
Yxy	79.1998, 0.2558, 0.3795
Android (android.graphics.Color)	4284940246 (0xFF66FFD6)
YUV	204.5790, 4.6446, -89.9618
Hunter-Lab	88.9943, -48.6647, 11.5890

Details

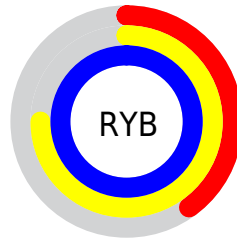
The Yxy color **79.1998, 0.2558, 0.3795** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7569, 0.4496, 0.2890**, and the grayscale version is **60.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.4744, 0.2426, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **77.5925, 0.2514, 0.3896**, and if you desaturate by 10%, it is **81.2861, 0.2621, 0.3697**.

Distribution



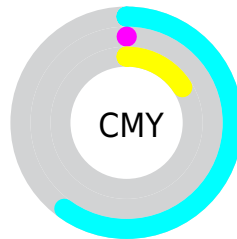
- Red (40%)
- Green (100%)
- Blue (84%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1998, 0.2558, 0.3795 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 79.1998, 0.2558, 0.3795 by changing the saturation by 10% instead.


 79.1998, 0.2558,
0.3795


 79.1998, 0.2558,
0.3795


492.2320, 0.2819,
0.3558


 59.0601, 0.2499,
0.3850


 132.2401, 0.2648,
0.3712

 42.6615, 0.2426,
0.3918


 165.9095, 0.2683,
0.3680

 29.6196, 0.2335,
0.4004


 204.8576, 0.2714,
0.3653

 19.5500, 0.2217,
0.4118

249.4687, 0.2740,
0.3629

 12.0684, 0.2059,
0.4274

300.1273, 0.2764,
0.3608

 6.7903, 0.1837,
0.4500

357.2178, 0.2784,

 3.3313, 0.1508,

0.3590

421.1246, 0.2803,
0.3573

0.4855

1.3070, 0.0000,
0.6094

0.1466, 0.0000,
1.0000

79.1998, 0.2558,
0.3795

79.1998, 0.2558,
0.3795

77.5925, 0.2514,
0.3896

81.2861, 0.2621,
0.3697

76.4110, 0.2490,
0.3998


83.8802, 0.2700,
0.3603

75.6065, 0.2487,
0.4100

87.0195, 0.2794,
0.3515

75.0941, 0.2500,
0.4200

90.7352, 0.2898,
0.3433

 75.0931, 0.2500,
0.4201

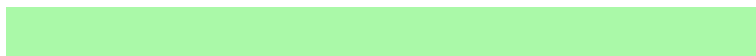
 95.0562, 0.3010,
0.3358

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



79.1998, 0.3095, 0.4259



79.1998, 0.2558, 0.3795



79.1998, 0.2194, 0.3187

Triad

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



79.1998, 0.2558, 0.3795



79.1998, 0.2534, 0.2370



79.1998, 0.4311, 0.3721

Complementary

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



79.1998, 0.2558, 0.3795



32.7569, 0.4496, 0.2890

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.



79.1998, 0.4148, 0.3262



79.1998, 0.2558, 0.3795



79.1998, 0.3069, 0.2524

Square

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



79.1998, 0.2558, 0.3795



79.1998, 0.2186, 0.2417



79.1998, 0.3674, 0.2840



79.1998, 0.4122, 0.4132

Rectangle

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



79.1998, 0.2558, 0.3795



79.1998, 0.2083, 0.2834



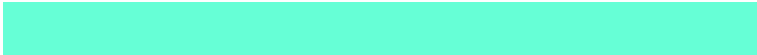
79.1998, 0.3674, 0.2840



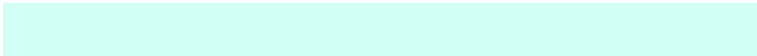
79.1998, 0.4297, 0.3569

Sweetspot

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



79.2029, 0.2558, 0.3795



91.5432, 0.2920, 0.3417



78.5338, 0.3250, 0.5114



19.3420, 0.2888, 0.3440



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.



79.2029, 0.2558, 0.3795



77.3223, 0.2508, 0.3917



62.2159, 0.2299, 0.2883



20.3935, 0.3016, 0.3354



39.2649, 0.2496, 0.4184



3.8413, 0.2464, 0.4069

Inverse Universe

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



32.7569, 0.4496, 0.2890



27.1877, 0.4949, 0.2866



39.6016, 0.4783, 0.3620



18.0670, 0.3252, 0.3227



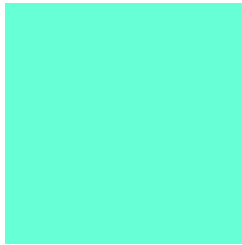
11.3498, 0.5878, 0.3012



1.1223, 0.5560, 0.2837

Previews

White Background



This preview shows how the Yxy color 79.1998, 0.2558, 0.3795 looks on a white background.

Color Contrast Check

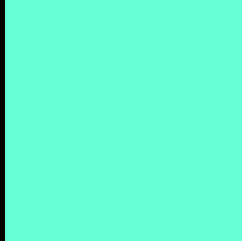
Large Text (above 18pt) WCAG AA × Fail

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 79.1998, 0.2558, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

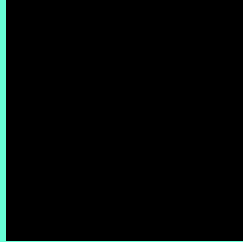
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1998, 0.2558, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 79.1998, 0.2558, 0.3795.

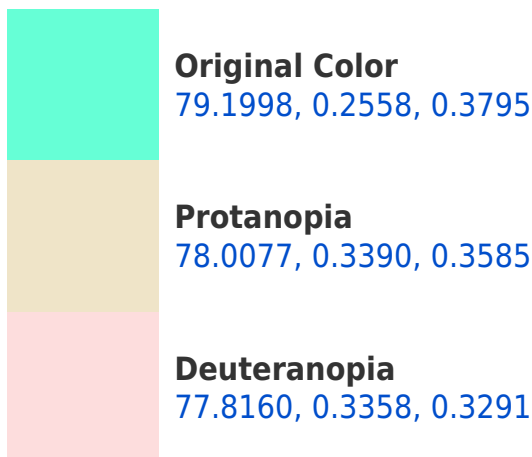


This preview shows how white text looks on a background with the Yxy color 79.1998, 0.2558, 0.3795.

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

78.4554, 0.2622, 0.3133

Trichromacy



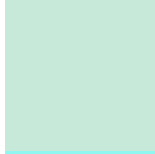
Original Color

79.1998, 0.2558, 0.3795



Protanomaly

76.3757, 0.3006, 0.3669



Deuteranomaly

75.3455, 0.2987, 0.3458



Tritanomaly

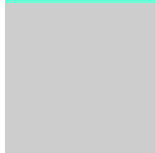
78.1321, 0.2587, 0.3358

Monochromacy



Original Color

79.1998, 0.2558, 0.3795



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6542, 0.2852, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1998, 0.2558, 0.3795 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(102, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 214)  
}
```

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(102, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 79.1998, 0.2558, 0.3795 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(102, 255, 214) }
```

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

```
.border{ border-color:rgb(102, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1998, 0.2558, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 214) }
```

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

```
.background{ background-color: rgb(102,  
255, 214) }
```

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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