

Converting Colors

$Y_{xy}(79.1535, 0.2562, 0.3807)$

Have a look what the booklet for
Yxy(79.1535, 0.2562, 0.3807)
contains.

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Color

Yxy(79.1489, 0.2562, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	66FFD5
RGB	102, 255, 213
RGB Percent	40%, 100%, 84%
CMY	0.6005, 0.0000, 0.1648
CMYK	0.60, 0.00, 0.16, 0.00
HSL	164°, 100%, 70%
HSV	164°, 60%, 100%
XYZ	53.2369, 79.1489, 75.4086
YIQ	204.4650, -77.7060, -45.4980

Conversions

Conversions Part 2

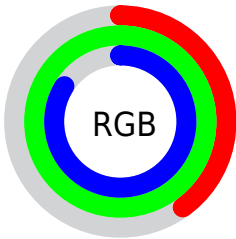
Format	Color
RYB	102, 191, 255
Decimal	6750165
CIELab	91.30, -50.35, 8.05
CIElCh	91, 50.991, 170.913
Yxy	79.1489, 0.2562, 0.3809
Android (android.graphics.Color)	4284940245 (0xFF66FFD5)
YUV	204.4650, 4.2078, -89.8618
Hunter-Lab	88.9657, -48.8758, 12.0209

Details

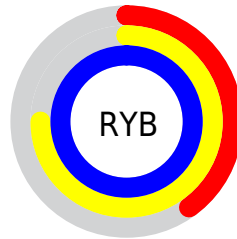
The Yxy color **79.1489, 0.2562, 0.3809** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7491, 0.4485, 0.2880**, and the grayscale version is **60.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.4463, 0.2432, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **77.5275, 0.2519, 0.3913**, and if you desaturate by 10%, it is **81.2273, 0.2624, 0.3708**.

Distribution



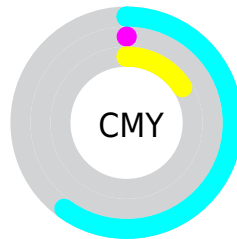
- Red (40%)
- Green (100%)
- Blue (84%)



- 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 79.1489, 0.2562, 0.3809 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 79.1489, 0.2562, 0.3809 by changing the saturation by 10% instead.

 79.1489, 0.2562,
0.3809

 79.1489, 0.2562,
0.3809


492.0599, 0.2822,
0.3565


 59.0182, 0.2503,
0.3865


 132.1685, 0.2652,
0.3724

 42.6278, 0.2431,
0.3936


 165.8262, 0.2687,
0.3691

 29.5932, 0.2340,
0.4025


 204.7616, 0.2717,
0.3663

 19.5300, 0.2222,
0.4143

249.3593, 0.2743,
0.3638

 12.0539, 0.2064,
0.4304

300.0036, 0.2766,
0.3616

 6.7804, 0.1842,
0.4539


357.0789, 0.2787,


 3.3251, 0.1512,

0.3597


0.4910


420.9695, 0.2805,
0.3581


 1.3037, 0.0000,
0.6199


 0.1441, 0.0000,
1.0000


 79.1489, 0.2562,
0.3809


 79.1489, 0.2562,
0.3809


 77.5275, 0.2519,
0.3913


 81.2273, 0.2624,
0.3708


 76.3435, 0.2496,
0.4017


 83.8251, 0.2703,
0.3612

 75.5368, 0.2493,
0.4122

 86.9687, 0.2796,
0.3521

 75.0239, 0.2507,
0.4225

 90.6892, 0.2899,
0.3437

 95.0156, 0.3011,
0.3360

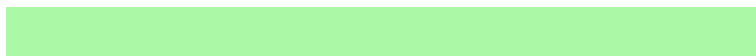
99.9746, 0.3127,
0.3290

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.



79.1489, 0.3105, 0.4272



79.1489, 0.2562, 0.3809



79.1489, 0.2193, 0.3196

Triad

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



79.1489, 0.2562, 0.3809



79.1489, 0.2522, 0.2363



79.1489, 0.4320, 0.3715

Complementary

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



79.1489, 0.2562, 0.3809



32.7491, 0.4485, 0.2880

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.



79.1489, 0.4150, 0.3254



79.1489, 0.2562, 0.3809



79.1489, 0.3058, 0.2515

Square

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



79.1489, 0.2562, 0.3809



79.1489, 0.2176, 0.2413



79.1489, 0.3668, 0.2830



79.1489, 0.4135, 0.4131

Rectangle

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



79.1489, 0.2562, 0.3809



79.1489, 0.2078, 0.2838



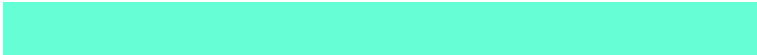
79.1489, 0.3668, 0.2830



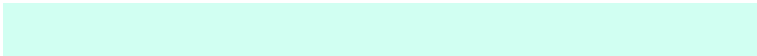
79.1489, 0.4304, 0.3562

Sweetspot

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



79.1408, 0.2562, 0.3809



91.5250, 0.2922, 0.3421



78.5205, 0.3250, 0.5117



19.3376, 0.2890, 0.3444



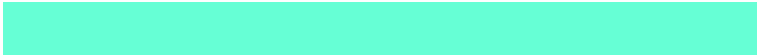
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.1408, 0.2562, 0.3809



77.2641, 0.2513, 0.3933



62.1864, 0.2298, 0.2882



20.3914, 0.3017, 0.3356



39.2281, 0.2502, 0.4207



3.8379, 0.2469, 0.4089

Inverse Universe

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



32.7491, 0.4485, 0.2880



27.2173, 0.4931, 0.2854



39.5599, 0.4786, 0.3620



18.0690, 0.3251, 0.3225



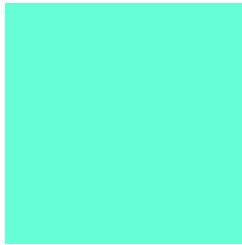
11.3611, 0.5857, 0.3000



1.1237, 0.5538, 0.2824

Previews

White Background



This preview shows how the Yxy color 79.1489, 0.2562, 0.3809 looks on a white background.

Color Contrast Check

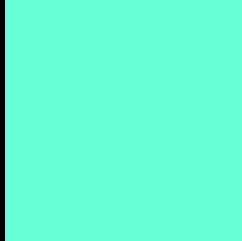
Large Text (above 18pt) WCAG AA × Fail

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 79.1489, 0.2562, 0.3809 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 79.1489, 0.2562, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 79.1489, 0.2562, 0.3809.

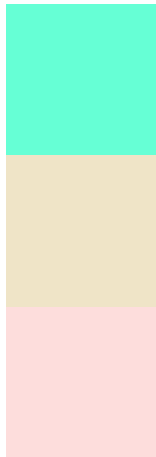


This preview shows how white text looks on a background with the Yxy color 79.1489, 0.2562, 0.3809.

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

79.1489, 0.2562, 0.3809

Protanopia

77.9610, 0.3397, 0.3596

Deuteranopia

77.7629, 0.3365, 0.3301



Tritanopia

78.3461, 0.2617, 0.3133

Trichromacy



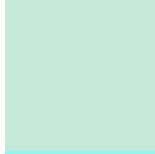
Original Color

79.1489, 0.2562, 0.3809



Protanomaly

76.3275, 0.3012, 0.3681



Deuteranomaly

75.2933, 0.2993, 0.3470



Tritanomaly

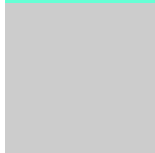
78.0424, 0.2582, 0.3358

Monochromacy



Original Color

79.1489, 0.2562, 0.3809



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4958, 0.2851, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1489, 0.2562, 0.3809 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 79.1489, 0.2562, 0.3809 is called "border". The border property can be set on classes, ids or directly on the HTML element.

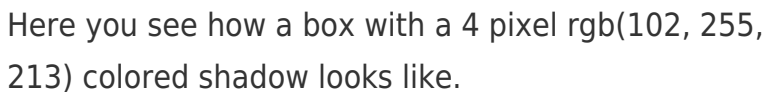
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 213) }
```

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

```
.border{ border-color:rgb(102, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1489, 0.2562, 0.3809 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, 213) }
```

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

```
.background{ background-color: rgb(102,  
255, 213) }
```

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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