

Converting Colors

$Y_{xy}(79.2452, 0.2595, 0.3853)$

Have a look what the booklet for
Yxy(79.2452, 0.2595, 0.3853)
contains.

Yxy(79.2492, 0.2597, 0.3859)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.2492, 0.2597, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFD1
RGB	107, 255, 209
RGB Percent	42%, 100%, 82%
CMY	0.5802, 0.0000, 0.1805
CMYK	0.58, 0.00, 0.18, 0.00
HSL	161°, 100%, 71%
HSV	161°, 58%, 100%
XYZ	53.3325, 79.2492, 72.7803
YIQ	205.5040, -73.4420, -45.6820

Conversions

Conversions Part 2

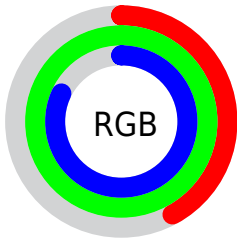
Format	Color
RYB	107, 195, 255
Decimal	7077841
CIELab	91.35, -50.30, 10.21
CIELCh	91, 51.326, 168.525
Yxy	79.2492, 0.2597, 0.3859
Android (android.graphics.Color)	4285267921 (0xFF6BFFD1)
YUV	205.5040, 1.7235, -86.3880
Hunter-Lab	89.0220, -48.8503, 13.8426

Details

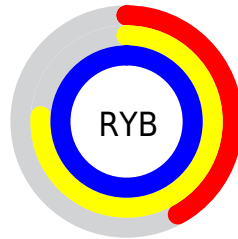
The Yxy color **79.2492, 0.2597, 0.3859** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.0903, 0.4342, 0.2832**, and the grayscale version is **61.4199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **42.5321, 0.2468, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **77.5122, 0.2553, 0.3978**, and if you desaturate by 10%, it is **81.4749, 0.2660, 0.3744**.

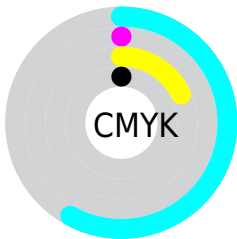
Distribution



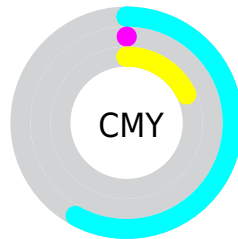
- Red (42%)
- Green (100%)
- Blue (82%)



- 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 79.2492, 0.2597, 0.3859 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 79.2492, 0.2597, 0.3859 by changing the saturation by 10% instead.

 79.2492, 0.2597,
0.3859


 79.2492, 0.2597,
0.3859

492.3990, 0.2842,
0.3590


 59.1007, 0.2541,
0.3922


 132.3096, 0.2682,
0.3765

 42.6942, 0.2472,
0.4000


 165.9904, 0.2715,
0.3728

 29.6453, 0.2386,
0.4100


 204.9506, 0.2743,
0.3697

 19.5695, 0.2273,
0.4232

249.5749, 0.2768,
0.3670

 12.0825, 0.2120,
0.4414

300.2474, 0.2790,
0.3646

 6.7999, 0.1904,
0.4682


357.3527, 0.2809,


 3.3373, 0.1578,


0.3625


0.5108


421.2751, 0.2827,
0.3607


 1.3102, 0.0000,
0.6671


 0.1491, 0.0000,
1.0000


 79.2492, 0.2597,
0.3859


 79.2492, 0.2597,
0.3859


 77.5122, 0.2553,
0.3978

 81.4749, 0.2660,
0.3744


 76.2166, 0.2529,
0.4098


 84.2219, 0.2738,
0.3635


 75.3138, 0.2525,
0.4218

 87.5255, 0.2829,
0.3533

 74.7357, 0.2540,
0.4336

 91.4167, 0.2930,
0.3439

 74.6405, 0.2544,
0.4360

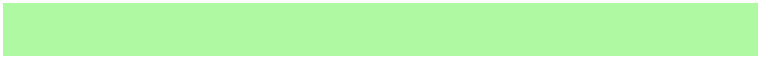
 95.9238, 0.3038,
0.3353

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.



79.2492, 0.3151, 0.4301



79.2492, 0.2597, 0.3859



79.2492, 0.2208, 0.3243

Triad

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



79.2492, 0.2597, 0.3859



79.2492, 0.2482, 0.2354



79.2492, 0.4327, 0.3680

Complementary

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



79.2492, 0.2597, 0.3859



34.0903, 0.4342, 0.2832

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.



79.2492, 0.4127, 0.3217



79.2492, 0.2597, 0.3859



79.2492, 0.3009, 0.2492

Square

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



79.2492, 0.2597, 0.3859



79.2492, 0.2153, 0.2422



79.2492, 0.3624, 0.2798



79.2492, 0.4167, 0.4106

Rectangle

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



79.2492, 0.2597, 0.3859



79.2492, 0.2080, 0.2874



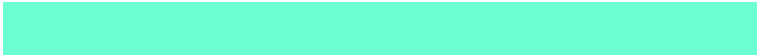
79.2492, 0.3624, 0.2798



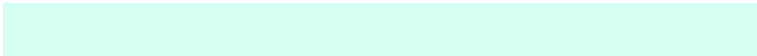
79.2492, 0.4301, 0.3525

Sweetspot

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



79.2508, 0.2597, 0.3859



91.8465, 0.2941, 0.3430



79.4435, 0.3280, 0.5038



19.4785, 0.2920, 0.3448



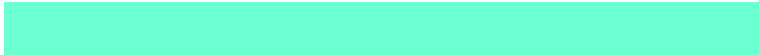
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.2508, 0.2597, 0.3859



77.2216, 0.2546, 0.4001



65.7685, 0.2333, 0.2960



20.3796, 0.3022, 0.3365



39.0294, 0.2539, 0.4340



3.8198, 0.2501, 0.4205

Inverse Universe

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



34.0903, 0.4342, 0.2832



28.1653, 0.4758, 0.2790



39.4226, 0.4740, 0.3563



18.0802, 0.3245, 0.3216



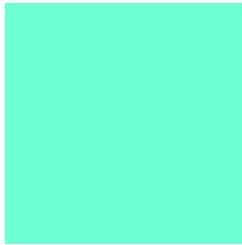
11.4300, 0.5729, 0.2929



1.1316, 0.5409, 0.2753

Previews

White Background



This preview shows how the Yxy color 79.2492, 0.2597, 0.3859 looks on a white background.

Color Contrast Check

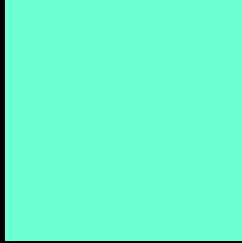
Large Text (above 18pt) WCAG AA × Fail

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 79.2492, 0.2597, 0.3859 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 79.2492, 0.2597, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 79.2492, 0.2597, 0.3859.



This preview shows how white text looks on a background with the Yxy color 79.2492, 0.2597, 0.3859.

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

79.2492, 0.2597, 0.3859

Protanopia

77.9522, 0.3431, 0.3638

Deuteranopia

77.9308, 0.3408, 0.3341



Tritanopia

78.5656, 0.2627, 0.3133

Trichromacy



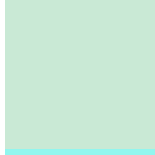
Original Color

79.2492, 0.2597, 0.3859



Protanomaly

76.5257, 0.3055, 0.3726



Deuteranomaly

75.4994, 0.3037, 0.3515



Tritanomaly

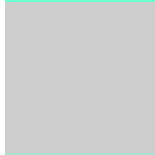
78.1956, 0.2605, 0.3382

Monochromacy



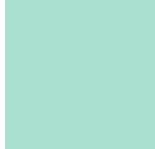
Original Color

79.2492, 0.2597, 0.3859



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 79.2492, 0.2597, 0.3859 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, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 209)  
}
```

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, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 79.2492, 0.2597, 0.3859 is called "border". The border property can be set on classes, ids or directly on the HTML element.

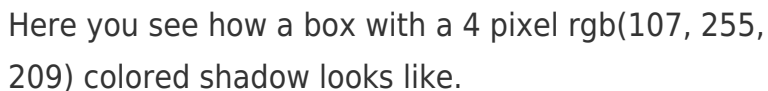
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 255, 209) }
```

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

```
.border{ border-color:rgb(107, 255, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2492, 0.2597, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 209) }
```

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

```
.background{ background-color: rgb(107,  
255, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor