

Converting Colors

$Yxy(79.9641, 0.2637, 0.3855)$

Have a look what the booklet for
Yxy(79.9641, 0.2637, 0.3855)
contains.

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Color

Yxy(79.9750, 0.2637, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	76FFD1
RGB	118, 255, 209
RGB Percent	46%, 100%, 82%
CMY	0.5373, 0.0000, 0.1805
CMYK	0.54, 0.00, 0.18, 0.00
HSL	160°, 100%, 73%
HSV	160°, 54%, 100%
XYZ	54.7350, 79.9750, 72.8555
YIQ	208.7930, -66.8860, -43.3500

Conversions

Conversions Part 2

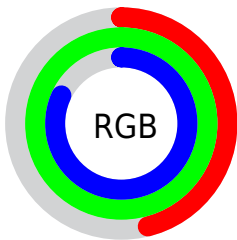
Format	Color
RYB	118, 200, 255
Decimal	7798737
CIELab	91.67, -48.12, 10.71
CIELCh	92, 49.303, 167.448
Yxy	79.9750, 0.2637, 0.3853
Android (android.graphics.Color)	4285988817 (0xFF76FFD1)
YUV	208.7930, 0.1021, -79.6255
Hunter-Lab	89.4287, -47.2490, 14.2979

Details

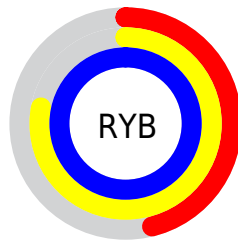
The Yxy color **79.9750, 0.2637, 0.3853** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.8937, 0.4164, 0.2823**, and the grayscale version is **63.6447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **42.9772, 0.2517, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **78.0096, 0.2587, 0.3980**, and if you desaturate by 10%, it is **82.4408, 0.2705, 0.3731**.

Distribution



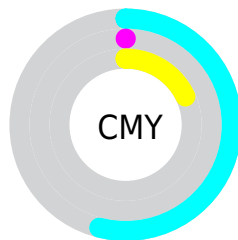
- Red (46%)
- Green (100%)
- Blue (82%)



- Red (46%)
- Yellow (78%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9750, 0.2637, 0.3853 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 79.9750, 0.2637, 0.3853 by changing the saturation by 10% instead.


 79.9750, 0.2637,
0.3853

 79.9750, 0.2637,
0.3853


494.8486, 0.2864,
0.3587

 59.6978, 0.2585,
0.3915


 133.3306, 0.2716,
0.3760

 43.1751, 0.2522,
0.3992

 167.1777, 0.2746,
0.3724

 30.0225, 0.2441,
0.4091


 206.3170, 0.2773,
0.3693

 19.8557, 0.2336,
0.4221

251.1327, 0.2796,
0.3666

 12.2902, 0.2194,
0.4402

302.0094, 0.2816,
0.3643

 6.9416, 0.1992,
0.4666


359.3313, 0.2834,


 3.4256, 0.1685,


0.3622


0.5089

423.4829, 0.2850,
0.3604


 1.3578, 0.0259,
0.6561


 0.1853, 0.0000,
1.0000

 79.9750, 0.2637,
0.3853


 79.9750, 0.2637,
0.3853


 78.0096, 0.2587,
0.3980


 82.4408, 0.2705,
0.3731


 76.5115, 0.2556,
0.4111

 85.4500, 0.2786,
0.3615

 75.4319, 0.2546,
0.4242

 89.0326, 0.2880,
0.3508

 74.7138, 0.2556,
0.4371

 93.2185, 0.2981,
0.3410

 74.3974, 0.2570,
0.4451

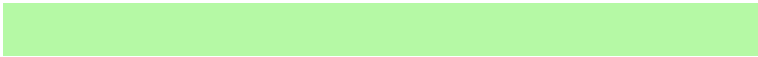
 98.0354, 0.3087,
0.3321

100.0000, 0.3127,
0.3290

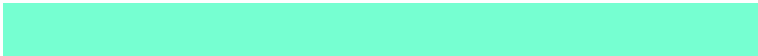
Harmonies

Analogous

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



79.9750, 0.3173, 0.4263



79.9750, 0.2637, 0.3853



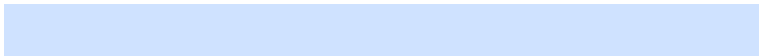
79.9750, 0.2254, 0.3268

Triad

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



79.9750, 0.2637, 0.3853



79.9750, 0.2493, 0.2388



79.9750, 0.4276, 0.3654

Complementary

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



79.9750, 0.2637, 0.3853



36.8937, 0.4164, 0.2823

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.



79.9750, 0.4071, 0.3207



79.9750, 0.2637, 0.3853



79.9750, 0.2995, 0.2513

Square

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



79.9750, 0.2637, 0.3853



79.9750, 0.2183, 0.2463



79.9750, 0.3583, 0.2804



79.9750, 0.4137, 0.4064

Rectangle

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



79.9750, 0.2637, 0.3853



79.9750, 0.2124, 0.2911



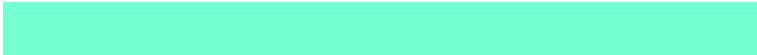
79.9750, 0.3583, 0.2804



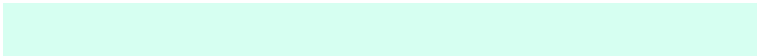
79.9750, 0.4246, 0.3504

Sweetspot

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



79.9726, 0.2637, 0.3853



92.2148, 0.2957, 0.3431



80.9281, 0.3307, 0.4889



19.5487, 0.2936, 0.3451



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

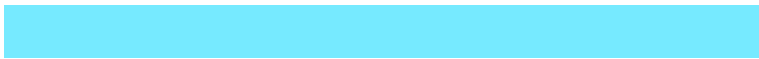
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9726, 0.2637, 0.3853



77.9635, 0.2586, 0.3984



70.1712, 0.2389, 0.3044



20.3716, 0.3025, 0.3371



38.9032, 0.2564, 0.4430



3.8082, 0.2523, 0.4284

Inverse Universe

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



36.8937, 0.4164, 0.2823



30.9744, 0.4488, 0.2765



40.8988, 0.4596, 0.3502



18.0877, 0.3241, 0.3210



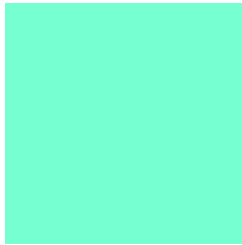
11.4818, 0.5637, 0.2879



1.1373, 0.5319, 0.2704

Previews

White Background



This preview shows how the Yxy color 79.9750, 0.2637, 0.3853 looks on a white background.

Color Contrast Check

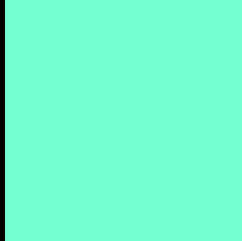
Large Text (above 18pt) WCAG AA × Fail

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 79.9750, 0.2637, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

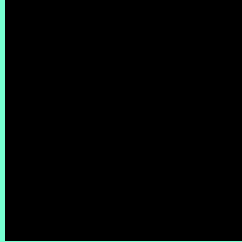
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9750, 0.2637, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 79.9750, 0.2637, 0.3853.

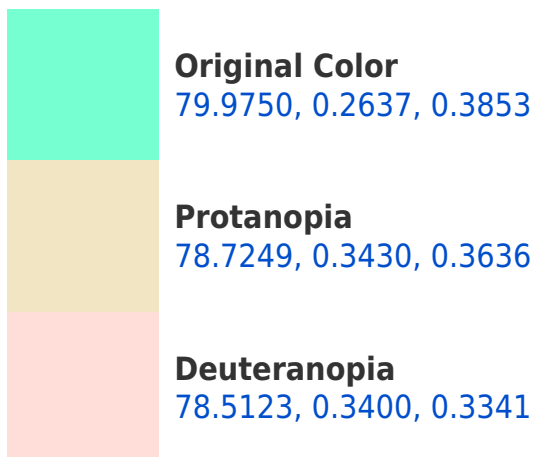


This preview shows how white text looks on a background with the Yxy color 79.9750, 0.2637, 0.3853.

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

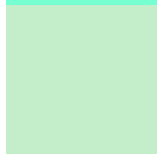
79.2446, 0.2658, 0.3135

Trichromacy



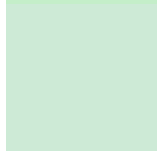
Original Color

79.9750, 0.2637, 0.3853



Protanomaly

77.1019, 0.3075, 0.3711



Deuteranomaly

76.6798, 0.3057, 0.3512



Tritanomaly

78.9546, 0.2643, 0.3381

Monochromacy



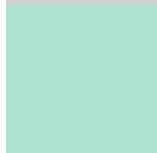
Original Color

79.9750, 0.2637, 0.3853



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2263, 0.2898, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9750, 0.2637, 0.3853 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(118, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 79.9750, 0.2637, 0.3853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

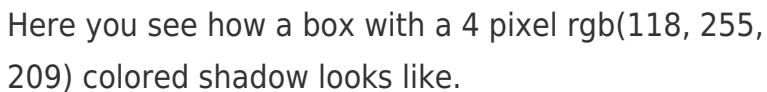
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 255, 209) }
```

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

```
.border{ border-color:rgb(118, 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(118, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9750, 0.2637, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 209) }
```

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

```
.background{ background-color: rgb(118,  
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](#).

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