

Converting Colors

$Y_{xy}(79.1184, 0.2622, 0.3700)$

Have a look what the booklet for
Yxy(79.1184, 0.2622, 0.3700)
contains.

Yxy(79.1184, 0.2622, 0.3700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.1184, 0.2622, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	7EFCDA
RGB	126, 252, 218
RGB Percent	49%, 99%, 85%
CMY	0.5060, 0.0117, 0.1451
CMYK	0.50, 0.00, 0.13, 0.01
HSL	164°, 95%, 74%
HSV	164°, 50%, 99%
XYZ	56.0671, 79.1184, 78.6480
YIQ	210.4500, -64.1820, -37.2860

Conversions

Conversions Part 2

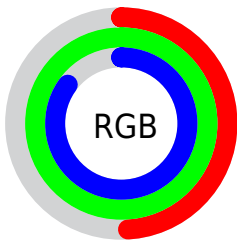
Format	Color
RYB	126, 199, 252
Decimal	8322266
CIELab	91.29, -43.11, 5.53
CIELCh	91, 43.467, 172.690
Yxy	79.1184, 0.2622, 0.3700
Android (android.graphics.Color)	4286512346 (0xFF7EFCDA)
YUV	210.4500, 3.7222, -74.0626
Hunter-Lab	88.9485, -43.1456, 9.8400

Details

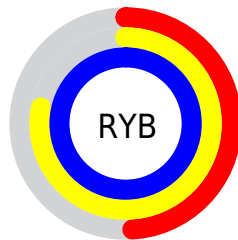
The Yxy color **79.1184, 0.2622, 0.3700** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.1508, 0.4154, 0.2938**, and the grayscale version is **64.7651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **42.7313, 0.2509, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **77.0927, 0.2559, 0.3799**, and if you desaturate by 10%, it is **81.6474, 0.2701, 0.3606**.

Distribution



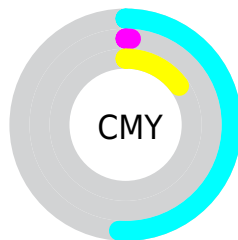
- Red (49%)
- Green (99%)
- Blue (85%)



- Red (49%)
- Yellow (78%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (51%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1184, 0.2622, 0.3700 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 79.1184, 0.2622, 0.3700 by changing the saturation by 10% instead.


 79.1184, 0.2622,
0.3700

 79.1184, 0.2622,
0.3700

491.9568, 0.2853,
0.3509


 58.9932, 0.2570,
0.3744


 132.1255, 0.2702,
0.3634

 42.6076, 0.2506,
0.3798


 165.7762, 0.2733,
0.3608

 29.5774, 0.2425,
0.3867


 204.7042, 0.2760,
0.3586

 19.5180, 0.2321,
0.3957

249.2938, 0.2783,
0.3566

 12.0452, 0.2181,
0.4081

299.9295, 0.2804,
0.3549

 6.7745, 0.1984,
0.4259

356.9956, 0.2822,

 3.3214, 0.1690,

0.3534

420.8766, 0.2839,
0.3521

0.4538

1.3018, 0.0561,
0.5399

0.1426, 0.0000,
1.0000

79.1184, 0.2622,
0.3700

79.1184, 0.2622,
0.3700

77.0927, 0.2559,
0.3799

81.6474, 0.2701,
0.3606

75.5237, 0.2516,
0.3901

84.7035, 0.2795,
0.3517


74.3721, 0.2492,
0.4003


88.3203, 0.2899,
0.3434

73.5873, 0.2489,
0.4106

92.5257, 0.3010,
0.3359

 73.0866, 0.2502,
0.4207

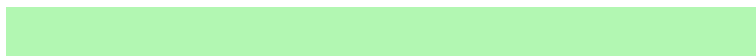
 97.3459, 0.3127,
0.3290

 98.1052, 0.3128,
0.3262

Harmonies

Analogous

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



79.1184, 0.3086, 0.4099



79.1184, 0.2622, 0.3700



79.1184, 0.2308, 0.3188

Triad

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



79.1184, 0.2622, 0.3700



79.1184, 0.2631, 0.2488



79.1184, 0.4145, 0.3693

Complementary

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



79.1184, 0.2622, 0.3700



38.1508, 0.4154, 0.2938

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.



79.1184, 0.4014, 0.3291



79.1184, 0.2622, 0.3700



79.1184, 0.3102, 0.2629

Square

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



79.1184, 0.2622, 0.3700



79.1184, 0.2316, 0.2526



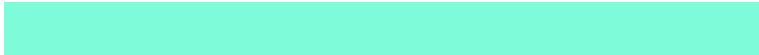
79.1184, 0.3619, 0.2914



79.1184, 0.3978, 0.4039

Rectangle

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



79.1184, 0.2622, 0.3700



79.1184, 0.2214, 0.2887



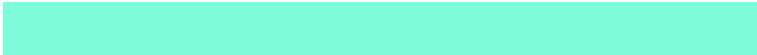
79.1184, 0.3619, 0.2914



79.1184, 0.4136, 0.3561

Sweetspot

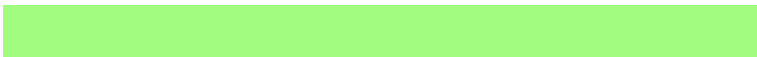
The Sweet Spot groups the original color and five complimentary colors.



79.1215, 0.2622, 0.3700



92.8065, 0.2954, 0.3395



78.7798, 0.3251, 0.4794



19.6723, 0.2930, 0.3412



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

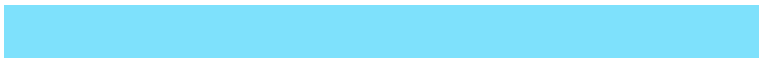
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1215, 0.2622, 0.3700



79.1855, 0.2559, 0.3799



65.1518, 0.2409, 0.2961



19.5240, 0.3016, 0.3355



38.0951, 0.2497, 0.4190



3.5459, 0.2464, 0.4069

Inverse Universe

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



38.1508, 0.4154, 0.2938



32.7544, 0.4492, 0.2887



45.0788, 0.4395, 0.3579



17.3021, 0.3251, 0.3226



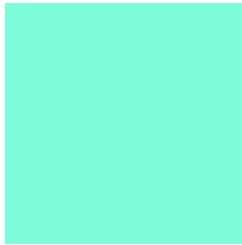
11.0187, 0.5870, 0.3007



1.0374, 0.5535, 0.2823

Previews

White Background



This preview shows how the Yxy color 79.1184, 0.2622, 0.3700 looks on a white background.

Color Contrast Check

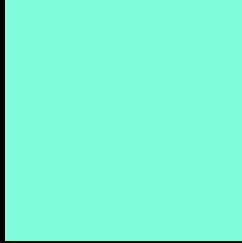
Large Text (above 18pt) WCAG AA × Fail

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 79.1184, 0.2622, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

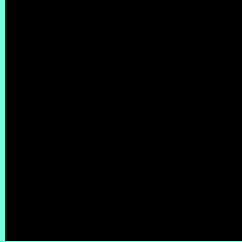
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1184, 0.2622, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 79.1184, 0.2622, 0.3700.

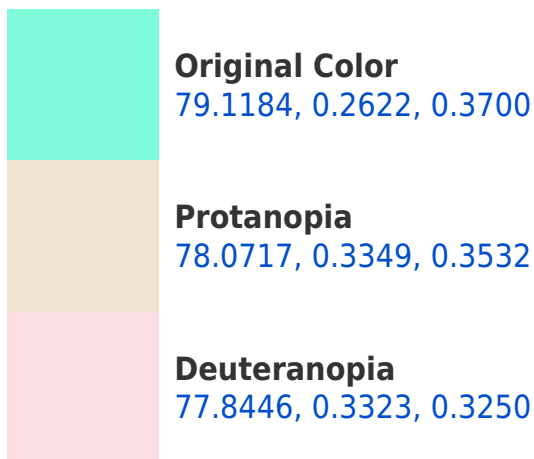


This preview shows how white text looks on a background with the Yxy color 79.1184, 0.2622, 0.3700.

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

78.9012, 0.2642, 0.3134

Trichromacy



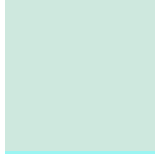
Original Color

79.1184, 0.2622, 0.3700



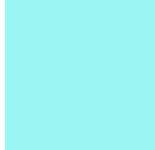
Protanomaly

77.0918, 0.3028, 0.3595



Deuteranomaly

76.1090, 0.3015, 0.3400



Tritanomaly

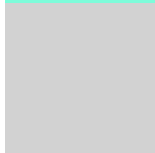
78.6842, 0.2627, 0.3323

Monochromacy



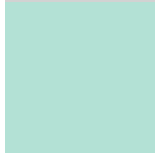
Original Color

79.1184, 0.2622, 0.3700



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.2382, 0.2893, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1184, 0.2622, 0.3700 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(126, 252, 218)` looks like.

```
.text, #text, p{  
    color:rgb(126, 252, 218)  
}
```

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(126, 252, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 252, 218) }
```

Border

The CSS property to change the border of an element to Yxy 79.1184, 0.2622, 0.3700 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(126, 252, 218) }
```

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

```
.border{ border-color:rgb(126, 252, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 252, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 252, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 252, 218);  
box-shadow:4px 4px 4px 4px rgb(126, 252,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1184, 0.2622, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 252, 218) }
```

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

```
.background{ background-color: rgb(126,  
252, 218) }
```

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