

Converting Colors

$Y_{xy}(79.3239, 0.2690, 0.3940)$

Have a look what the booklet for
Yxy(79.3239, 0.2690, 0.3940)
contains.

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Color

Yxy(79.3116, 0.2692, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	7BFEC9
RGB	123, 254, 201
RGB Percent	48%, 100%, 79%
CMY	0.5173, 0.0039, 0.2117
CMYK	0.52, 0.00, 0.21, 0.00
HSL	156°, 98%, 74%
HSV	156°, 52%, 100%
XYZ	54.1621, 79.3116, 67.7227
YIQ	208.7890, -61.0630, -44.2550

Conversions

Conversions Part 2

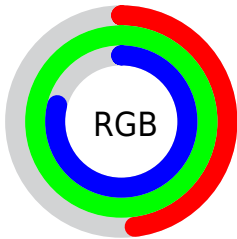
Format	Color
RYB	123, 205, 254
Decimal	8126153
CIELab	91.38, -48.29, 14.41
CIELCh	91, 50.397, 163.388
Yxy	79.3116, 0.2692, 0.3942
Android (android.graphics.Color)	4286316233 (0xFF7BFEC9)
YUV	208.7890, -3.8400, -75.2370
Hunter-Lab	89.0571, -47.2911, 17.2534

Details

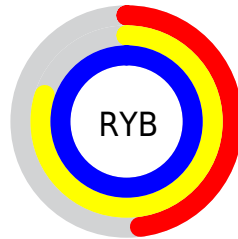
The Yxy color **79.3116, 0.2692, 0.3942** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **38.3912, 0.3993, 0.2747**, and the grayscale version is **63.6854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **42.9689, 0.2588, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **77.2092, 0.2644, 0.4097**, and if you desaturate by 10%, it is **81.9387, 0.2757, 0.3794**.

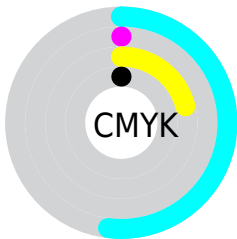
Distribution



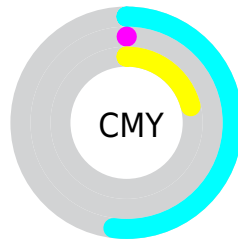
- Red (48%)
- Green (100%)
- Blue (79%)



- Red (48%)
- Yellow (80%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3116, 0.2692, 0.3942 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 79.3116, 0.2692, 0.3942 by changing the saturation by 10% instead.


 79.3116, 0.2692,
0.3942

 79.3116, 0.2692,
0.3942

492.6098, 0.2896,
0.3631

 59.1520, 0.2645,
0.4015

 132.3974, 0.2763,
0.3832

 42.7355, 0.2586,
0.4107


 166.0925, 0.2791,
0.3790

 29.6777, 0.2511,
0.4224


 205.0682, 0.2815,
0.3754

 19.5940, 0.2413,
0.4381

249.7089, 0.2835,
0.3723

 12.1003, 0.2278,
0.4599

300.3990, 0.2853,
0.3696

 6.8120, 0.2083,
0.4923


357.5230, 0.2869,


 3.3448, 0.1777,


0.3672


0.5447

421.4651, 0.2884,
0.3650

 1.3143, 0.0106,
0.7749


 0.1522, 0.0000,
1.0000


 79.3116, 0.2692,
0.3942


 79.3116, 0.2692,
0.3942

 77.2092, 0.2644,
0.4097


 81.9387, 0.2757,
0.3794


 75.5829, 0.2614,
0.4256


 85.1157, 0.2834,
0.3655


 74.3910, 0.2605,
0.4416

 88.8778, 0.2921,
0.3527

 73.5798, 0.2617,
0.4574

 93.2541, 0.3015,
0.3410

 73.1217, 0.2640,
0.4703

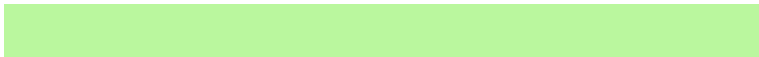
 98.2720, 0.3112,
0.3305

99.3603, 0.3128,
0.3280

Harmonies

Analogous

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



79.3116, 0.3252, 0.4320



79.3116, 0.2692, 0.3942



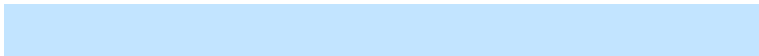
79.3116, 0.2274, 0.3348

Triad

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



79.3116, 0.2692, 0.3942



79.3116, 0.2423, 0.2366



79.3116, 0.4297, 0.3598

Complementary

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



79.3116, 0.2692, 0.3942



38.3912, 0.3993, 0.2747

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.



79.3116, 0.4041, 0.3143



79.3116, 0.2692, 0.3942



79.3116, 0.2913, 0.2468

Square

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



79.3116, 0.2692, 0.3942



79.3116, 0.2136, 0.2471



79.3116, 0.3513, 0.2745



79.3116, 0.4199, 0.4029

Rectangle

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



79.3116, 0.2692, 0.3942



79.3116, 0.2119, 0.2968



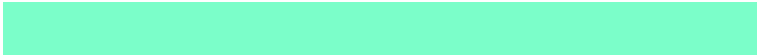
79.3116, 0.3513, 0.2745



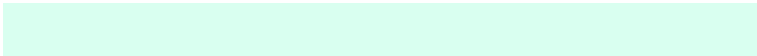
79.3116, 0.4251, 0.3445

Sweetspot

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



79.3148, 0.2692, 0.3942



92.4963, 0.2982, 0.3449



81.7330, 0.3359, 0.4792



19.5974, 0.2962, 0.3474



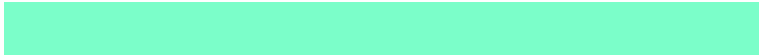
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.3148, 0.2692, 0.3942



77.8186, 0.2642, 0.4105



75.5240, 0.2433, 0.3161



20.3497, 0.3034, 0.3388



38.5825, 0.2633, 0.4678



3.7783, 0.2584, 0.4503

Inverse Universe

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



38.3912, 0.3993, 0.2747



32.3597, 0.4275, 0.2664



39.5480, 0.4562, 0.3406



18.1089, 0.3230, 0.3194



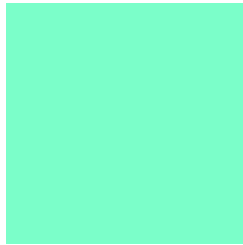
11.6501, 0.5365, 0.2729



1.1553, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 79.3116, 0.2692, 0.3942 looks on a white background.

Color Contrast Check

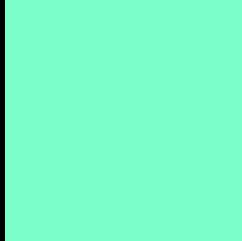
Large Text (above 18pt) WCAG AA × Fail

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 79.3116, 0.2692, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

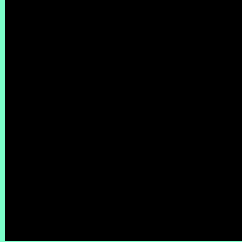
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.3116, 0.2692, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 79.3116, 0.2692, 0.3942.

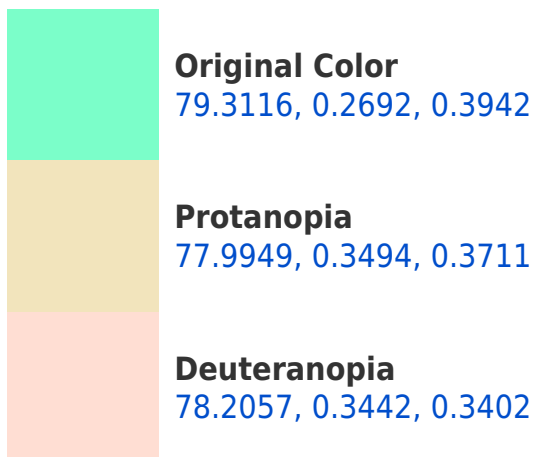


This preview shows how white text looks on a background with the Yxy color 79.3116, 0.2692, 0.3942.

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

79.0148, 0.2647, 0.3134

Trichromacy



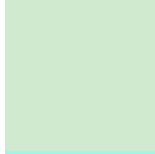
Original Color

79.3116, 0.2692, 0.3942



Protanomaly

76.5607, 0.3143, 0.3792



Deuteranomaly

76.6160, 0.3113, 0.3591



Tritanomaly

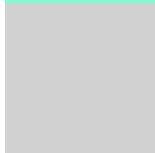
78.8783, 0.2662, 0.3416

Monochromacy



Original Color

79.3116, 0.2692, 0.3942



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.7716, 0.2928, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3116, 0.2692, 0.3942 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(123, 254, 201)` looks like.

```
.text, #text, p{  
    color:rgb(123, 254, 201)  
}
```

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(123, 254, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 254, 201) }
```

Border

The CSS property to change the border of an element to Yxy 79.3116, 0.2692, 0.3942 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(123, 254, 201) }
```

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

```
.border{ border-color:rgb(123, 254, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 254, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 254, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 254, 201);  
box-shadow:4px 4px 4px 4px rgb(123, 254,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3116, 0.2692, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 254, 201) }
```

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

```
.background{ background-color: rgb(123,  
254, 201) }
```

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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