

# Converting Colors

$Y_{xy}(79.2573, 0.2553, 0.3780)$

Have a look what the booklet for  
Yxy(79.2573, 0.2553, 0.3780)  
contains.

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# Color

**Yxy(79.2511, 0.2554, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFD7
RGB	102, 255, 215
RGB Percent	40%, 100%, 84%
CMY	0.5994, 0.0000, 0.1568
CMYK	0.60, 0.00, 0.16, 0.00
HSL	164°, 100%, 70%
HSV	164°, 60%, 100%
XYZ	53.5186, 79.2511, 76.7784
YIQ	204.6930, -78.3480, -44.8760

# Conversions

## Conversions Part 2

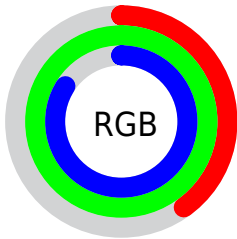
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 190, 255
Decimal	6750167
CIELab	91.35, -49.82, 7.07
CIElCh	91, 50.323, 171.927
Yxy	79.2511, 0.2554, 0.3782
Android (android.graphics.Color)	4284940247 (0xFF66FFD7)
YUV	204.6930, 5.0814, -90.0618
Hunter-Lab	89.0231, -48.4804, 11.1812

# Details

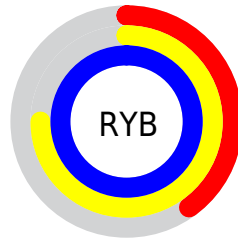
The Yxy color **79.2511, 0.2554, 0.3782** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7452, 0.4507, 0.2900**, and the grayscale version is **60.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.5093, 0.2421, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **77.6482, 0.2510, 0.3880**, and if you desaturate by 10%, it is **81.3324, 0.2617, 0.3686**.

# Distribution



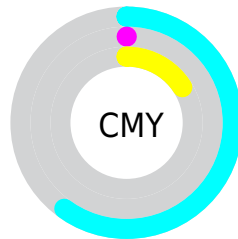
- Red (40%)
- Green (100%)
- Blue (84%)



- 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 79.2511, 0.2554, 0.3782 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 79.2511, 0.2554, 0.3782 by changing the saturation by 10% instead.





 79.2511, 0.2554,  
0.3782


 79.2511, 0.2554,  
0.3782


492.4054, 0.2817,  
0.3552

 59.1023, 0.2495,  
0.3835


 132.3123, 0.2645,  
0.3702

 42.6955, 0.2422,  
0.3901


 165.9935, 0.2680,  
0.3671

 29.6462, 0.2330,  
0.3985


 204.9542, 0.2711,  
0.3644

 19.5702, 0.2212,  
0.4095

249.5789, 0.2737,  
0.3621

 12.0830, 0.2054,  
0.4246

300.2520, 0.2761,  
0.3600

 6.8003, 0.1832,  
0.4464


357.3579, 0.2782,


 3.3375, 0.1504,


0.3582


0.4805


421.2809, 0.2800,  
0.3566


 1.3104, 0.0000,  
0.6000

 0.1492, 0.0000,  
1.0000


 79.2511, 0.2554,  
0.3782


 79.2511, 0.2554,  
0.3782


 77.6482, 0.2510,  
0.3880


 81.3324, 0.2617,  
0.3686


 76.4707, 0.2485,  
0.3980


 83.9210, 0.2698,  
0.3595


 75.6696, 0.2481,  
0.4079

 87.0541, 0.2792,  
0.3509

 75.1606, 0.2494,  
0.4177

 90.7630, 0.2897,  
0.3429

 75.1580, 0.2494,  
0.4177

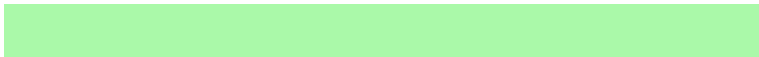
 95.0765, 0.3010,  
0.3356

99.9938, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.2511, 0.3086, 0.4247



79.2511, 0.2554, 0.3782



79.2511, 0.2196, 0.3179

# Triad

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



79.2511, 0.2554, 0.3782



79.2511, 0.2545, 0.2376



79.2511, 0.4303, 0.3727

# Complementary

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



79.2511, 0.2554, 0.3782



32.7452, 0.4507, 0.2900

# 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.



79.2511, 0.4147, 0.3270



79.2511, 0.2554, 0.3782



79.2511, 0.3079, 0.2532

# Square

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



79.2511, 0.2554, 0.3782



79.2511, 0.2196, 0.2419



79.2511, 0.3680, 0.2849



79.2511, 0.4111, 0.4133



# Rectangle

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



79.2511, 0.2554, 0.3782



79.2511, 0.2088, 0.2829



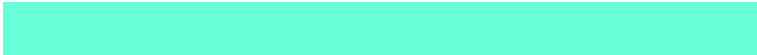
79.2511, 0.3680, 0.2849



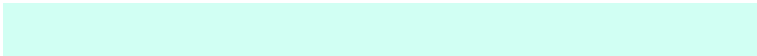
79.2511, 0.4292, 0.3575

# Sweetspot

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



79.2542, 0.2554, 0.3782



91.5608, 0.2918, 0.3414



78.3068, 0.3236, 0.5122



19.3464, 0.2886, 0.3437



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.



79.2542, 0.2554, 0.3782



77.3792, 0.2503, 0.3901



60.8856, 0.2292, 0.2850



20.3956, 0.3015, 0.3353



39.3009, 0.2489, 0.4161



3.8445, 0.2458, 0.4049



# Inverse Universe

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



32.7452, 0.4507, 0.2900



27.1594, 0.4966, 0.2877



40.3417, 0.4763, 0.3646



18.0650, 0.3253, 0.3228



11.3392, 0.5899, 0.3023

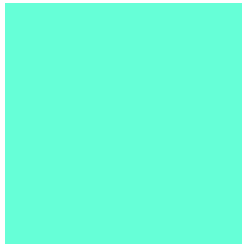


1.1211, 0.5582, 0.2849



# Previews

## White Background



This preview shows how the Yxy color 79.2511, 0.2554, 0.3782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

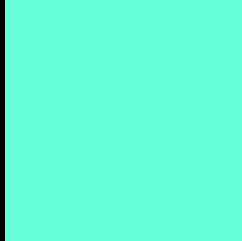
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2511, 0.2554, 0.3782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

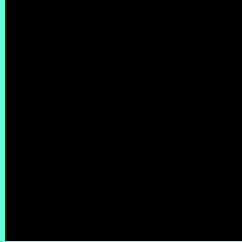
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.2511, 0.2554, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2511, 0.2554, 0.3782.

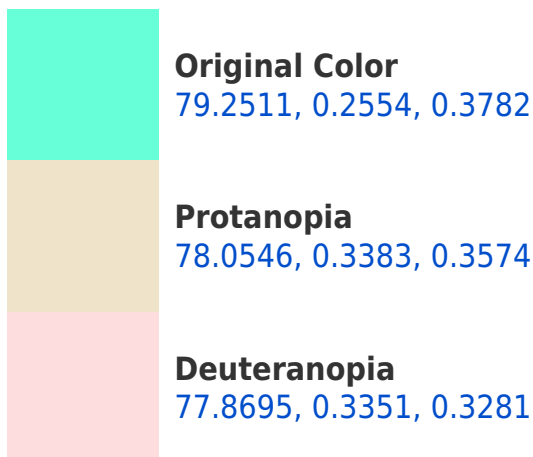


This preview shows how white text looks on a background with the Yxy color 79.2511, 0.2554, 0.3782.

# 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

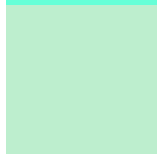
78.4554, 0.2622, 0.3133

# Trichromacy



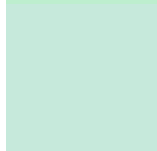
## Original Color

79.2511, 0.2554, 0.3782



## Protanomaly

76.4241, 0.3001, 0.3657



## Deuteranomaly

75.3981, 0.2981, 0.3447



## Tritanomaly

78.1321, 0.2587, 0.3358

# Monochromacy



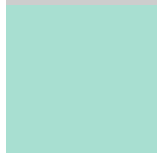
## Original Color

79.2511, 0.2554, 0.3782



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.7036, 0.2846, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2511, 0.2554, 0.3782 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2511, 0.2554, 0.3782 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, 215) }
```

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

```
.border{ border-color:rgb(102, 255, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2511, 0.2554, 0.3782 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, 215) }
```

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

```
.background{ background-color: rgb(102,  
255, 215) }
```

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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