

# Converting Colors

$Yxy(76.1468, 0.2596, 0.3558)$

Have a look what the booklet for  
Yxy(76.1468, 0.2596, 0.3558)  
contains.

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# Color

**Yxy(75.9605, 0.2596, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81F6E0
RGB	129, 246, 224
RGB Percent	51%, 96%, 88%
CMY	0.4938, 0.0353, 0.1217
CMYK	0.48, 0.00, 0.09, 0.04
HSL	169°, 87%, 74%
HSV	169°, 48%, 96%
XYZ	55.4693, 75.9605, 82.2425
YIQ	208.5090, -62.6700, -31.6460

# Conversions

## Conversions Part 2

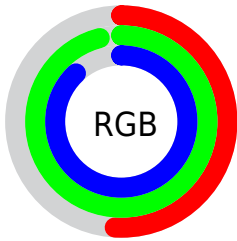
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 194, 246
Decimal	8517344
CIE <sub>Lab</sub>	89.84, -38.37, 0.34
CIE <sub>LCh</sub>	90, 38.375, 179.488
Yxy	75.9605, 0.2596, 0.3555
Android (android.graphics.Color)	4286707424 (0xFF81F6E0)
YUV	208.5090, 7.6371, -69.7294
Hunter-Lab	87.1553, -38.9169, 5.0608

# Details

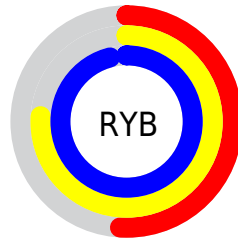
The Yxy color **75.9605, 0.2596, 0.3555** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.5508, 0.4188, 0.3056**, and the grayscale version is **63.4166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **40.4887, 0.2474, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **74.0141, 0.2522, 0.3621**, and if you desaturate by 10%, it is **78.3835, 0.2687, 0.3492**.

# Distribution



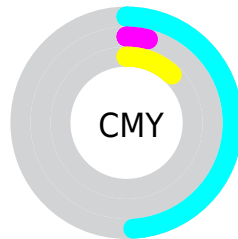
- Red (51%)
- Green (96%)
- Blue (88%)



- Red (51%)
- Yellow (76%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (49%)
- Magenta (4%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9605, 0.2596, 0.3555 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 75.9605, 0.2596, 0.3555 by changing the saturation by 10% instead.





 75.9605, 0.2596,  
0.3555


 75.9605, 0.2596,  
0.3555

481.2125, 0.2839,  
0.3434

 56.4001, 0.2541,  
0.3582


 127.6711, 0.2680,  
0.3513

 40.5238, 0.2475,  
0.3616


 160.5900, 0.2712,  
0.3497

 27.9472, 0.2390,  
0.3658


 198.7307, 0.2740,  
0.3483

 18.2859, 0.2282,  
0.3712

242.4774, 0.2765,  
0.3471

 11.1554, 0.2137,  
0.3785

292.2145, 0.2787,  
0.3460

 6.1715, 0.1933,  
0.3888


348.3265, 0.2806,

 2.9496, 0.1631,


0.3450


0.4041


411.1976, 0.2823,  
0.3442


 1.1055, 0.0415,  
0.4644


 0.0000, 0.0000,  
0.0000

 75.9605, 0.2596,  
0.3555


 75.9605, 0.2596,  
0.3555


 74.0141, 0.2522,  
0.3621

 78.3835, 0.2687,  
0.3492


 72.5014, 0.2467,  
0.3689


 81.3046, 0.2791,  
0.3432


 71.3869, 0.2432,  
0.3758


 84.7547, 0.2907,  
0.3376


 70.6254, 0.2416,  
0.3827

 88.7596, 0.3030,  
0.3325

 70.1572, 0.2418,  
0.3895

 93.3435, 0.3159,  
0.3279

 70.0643, 0.2420,  
0.3912

 94.1836, 0.3150,  
0.3235

 94.3896, 0.3131,  
0.3204

# Harmonies

## Analogous

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



75.9605, 0.2993, 0.3946



75.9605, 0.2596, 0.3555



75.9605, 0.2350, 0.3106

# Triad

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



75.9605, 0.2596, 0.3555



75.9605, 0.2769, 0.2580



75.9605, 0.4028, 0.3738

# Complementary

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



75.9605, 0.2596, 0.3555



37.5508, 0.4188, 0.3056

# 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.



75.9605, 0.3970, 0.3379



75.9605, 0.2596, 0.3555



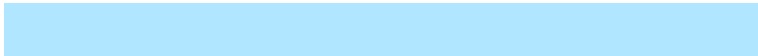
75.9605, 0.3213, 0.2741

# Square

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



75.9605, 0.2596, 0.3555



75.9605, 0.2445, 0.2578



75.9605, 0.3663, 0.3025



75.9605, 0.3827, 0.4018



# Rectangle

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



75.9605, 0.2596, 0.3555



75.9605, 0.2293, 0.2855



75.9605, 0.3663, 0.3025



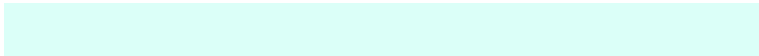
75.9605, 0.4039, 0.3622

# Sweetspot

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



75.9635, 0.2596, 0.3555



93.4212, 0.2949, 0.3358



74.2167, 0.3189, 0.4737



19.8022, 0.2923, 0.3369



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.



75.9635, 0.2596, 0.3555



80.3933, 0.2525, 0.3618



57.8762, 0.2417, 0.2856



18.7011, 0.3006, 0.3335



37.4184, 0.2417, 0.3901



3.3022, 0.2393, 0.3815



# Inverse Universe

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



37.5508, 0.4188, 0.3056



34.1433, 0.4539, 0.3022



47.7852, 0.4247, 0.3671



16.5335, 0.3264, 0.3246



10.5796, 0.6106, 0.3137

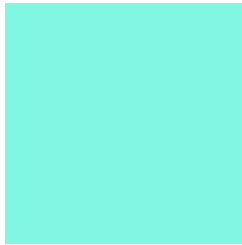


0.9434, 0.5779, 0.2957



# Previews

## White Background



This preview shows how the Yxy color 75.9605, 0.2596, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

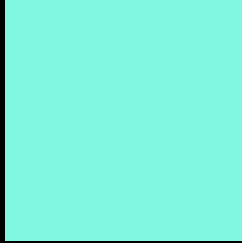
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9605, 0.2596, 0.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

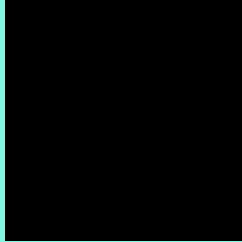
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.9605, 0.2596, 0.3555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9605, 0.2596, 0.3555.

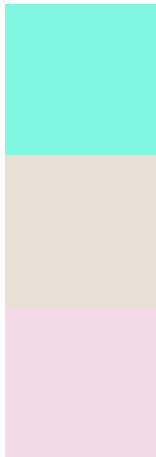


This preview shows how white text looks on a background with the Yxy color 75.9605, 0.2596, 0.3555.

# 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

75.9605, 0.2596, 0.3555

### Protanopia

75.2206, 0.3264, 0.3418

### Deuteranopia

75.0891, 0.3234, 0.3167



## Tritanopia

75.5372, 0.2563, 0.3096

# Trichromacy



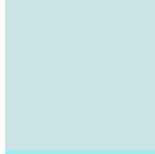
## Original Color

75.9605, 0.2596, 0.3555



## Protanomaly

74.2732, 0.2980, 0.3471



## Deuteranomaly

73.6448, 0.2953, 0.3289



## Tritanomaly

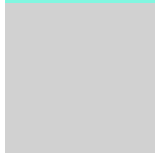
75.6453, 0.2573, 0.3254

# Monochromacy



## Original Color

75.9605, 0.2596, 0.3555



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.8009, 0.2892, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9605, 0.2596, 0.3555 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(129, 246, 224)` looks like.

```
.text, #text, p{  
    color:rgb(129, 246, 224)  
}
```

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(129, 246, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 246, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9605, 0.2596, 0.3555 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(129, 246, 224) }
```

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

```
.border{ border-color:rgb(129, 246, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 246, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 246, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 246, 224);  
box-shadow:4px 4px 4px 4px rgb(129, 246,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9605, 0.2596, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 246, 224) }
```

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

```
.background{ background-color: rgb(129,  
246, 224) }
```

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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