

# Converting Colors

$Yxy(80.0932, 0.2626, 0.3291)$

Have a look what the booklet for  
Yxy(80.0932, 0.2626, 0.3291)  
contains.

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# Color

**Yxy(79.9363, 0.2628, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FF6F6
RGB	159, 246, 246
RGB Percent	62%, 96%, 96%
CMY	0.3768, 0.0352, 0.0354
CMYK	0.35, 0.00, 0.00, 0.04
HSL	180°, 83%, 79%
HSV	180°, 35%, 96%
XYZ	63.8713, 79.9363, 99.2338
YIQ	219.9870, -51.8520, -18.4440

# Conversions

## Conversions Part 2

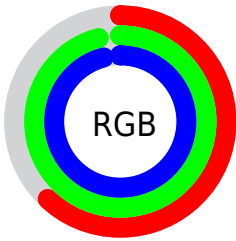
Format	Color
R <sub>Y</sub> B	159, 203, 246
Decimal	10483446
CIE Lab	91.66, -26.08, -8.29
CIE LCh	92, 27.371, 197.639
Yxy	79.9363, 0.2628, 0.3289
Android (android.graphics.Color)	4288673526 (0xFF9FF6F6)
YUV	219.9870, 12.8244, -53.4856
Hunter-Lab	89.4071, -28.9444, -3.2216

# Details

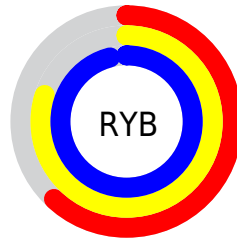
The Yxy color **79.9363, 0.2628, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8624, 0.3980, 0.3292**, and the grayscale version is **71.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **42.9965, 0.2519, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **77.6707, 0.2518, 0.3289**, and if you desaturate by 10%, it is **82.7086, 0.2754, 0.3289**.

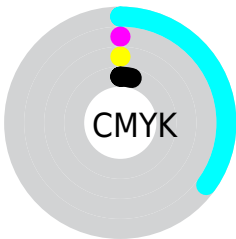
# Distribution



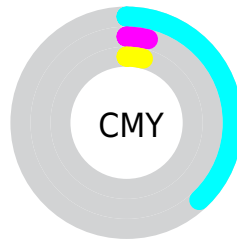
- Red (62%)
- Green (96%)
- Blue (96%)



- Red (62%)
- Yellow (80%)
- Blue (96%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (38%)
- Magenta (4%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9363, 0.2628, 0.3289 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 79.9363, 0.2628, 0.3289 by changing the saturation by 10% instead.



 79.9363, 0.2628,  
0.3289


 79.9363, 0.2628,  
0.3289

494.7181, 0.2852,  
0.3294

 59.6659, 0.2579,  
0.3287


 133.2762, 0.2704,  
0.3291

 43.1494, 0.2519,  
0.3284


 167.1145, 0.2734,  
0.3292

 30.0024, 0.2444,  
0.3280


206.2442, 0.2760,  
0.3293

 19.8404, 0.2348,  
0.3273

251.0497, 0.2783,  
0.3293

 12.2791, 0.2223,  
0.3261

301.9155, 0.2803,  
0.3293

 6.9340, 0.2050,  
0.3241


359.2259, 0.2821,


 3.4209, 0.1799,

0.3293


423.3653, 0.2837,  
0.3294


0.3201


 1.3552, 0.1361,  
0.3128


 0.1834, 0.0000,  
0.1904


 79.9363, 0.2628,  
0.3289


 79.9363, 0.2628,  
0.3289


 77.6707, 0.2518,  
0.3289


 82.7086, 0.2754,  
0.3289


 75.8725, 0.2427,  
0.3289


 86.0056, 0.2893,  
0.3290

 74.5118, 0.2354,  
0.3289


 89.8558, 0.3043,  
0.3290

 73.5513, 0.2302,  
0.3289


 93.8412, 0.3185,  
0.3290

 72.9475, 0.2268,  
0.3289


 93.8419, 0.3185,  
0.3290

 72.6468, 0.2251,  
0.3289

 93.8427, 0.3185,  
0.3290

 72.5733, 0.2247,  
0.3289

 93.8435, 0.3185,  
0.3290

 93.8442, 0.3185,  
0.3290

 93.8450, 0.3185,  
0.3290

# Harmonies

## Analogous

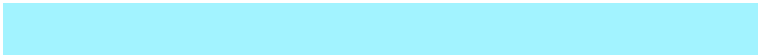
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9363, 0.2857, 0.3591



79.9363, 0.2628, 0.3289



79.9363, 0.2530, 0.3006

# Triad

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



79.9363, 0.2628, 0.3289



79.9363, 0.3063, 0.2835



79.9363, 0.3697, 0.3746

# Complementary

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



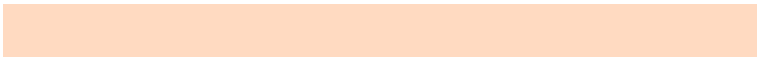
79.9363, 0.2628, 0.3289



46.8624, 0.3980, 0.3292

# 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.



79.9363, 0.3764, 0.3523



79.9363, 0.2628, 0.3289



79.9363, 0.3387, 0.3012

# Square

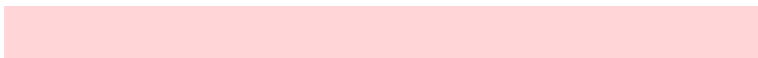
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9363, 0.2628, 0.3289



79.9363, 0.2771, 0.2764



79.9363, 0.3649, 0.3258

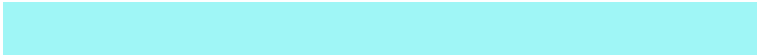


79.9363, 0.3474, 0.3858

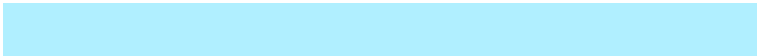


# Rectangle

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



79.9363, 0.2628, 0.3289



79.9363, 0.2547, 0.2869



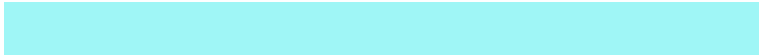
79.9363, 0.3649, 0.3258



79.9363, 0.3739, 0.3680

# Sweetspot

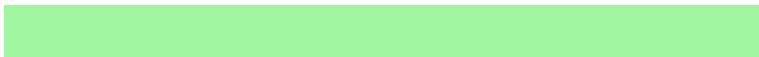
The Sweet Spot groups the original color and five complimentary colors.



79.9395, 0.2628, 0.3289



95.0619, 0.2958, 0.3290



75.9361, 0.3086, 0.4357



20.2280, 0.2938, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

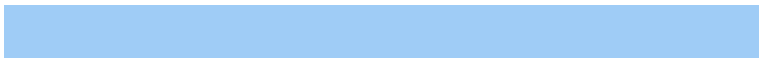
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9395, 0.2628, 0.3289



85.0231, 0.2553, 0.3289



57.1626, 0.2559, 0.2787



18.7577, 0.2981, 0.3290



38.7286, 0.2247, 0.3289



3.4039, 0.2247, 0.3289



# Inverse Universe

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



46.8624, 0.3980, 0.3292



44.5451, 0.4225, 0.3293



63.8761, 0.3817, 0.3742



16.4827, 0.3294, 0.3290



10.4581, 0.6400, 0.3299

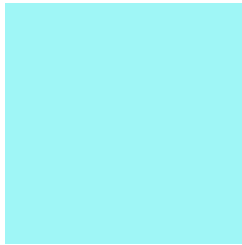


0.9192, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 79.9363, 0.2628, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

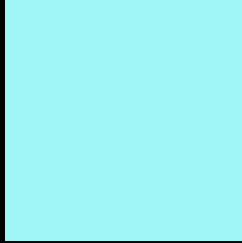
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9363, 0.2628, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

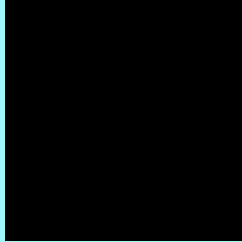
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9363, 0.2628, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9363, 0.2628, 0.3289.

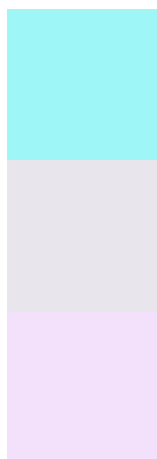


This preview shows how white text looks on a background with the Yxy color 79.9363, 0.2628, 0.3289.

# 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

79.9363, 0.2628, 0.3289

### Protanopia

79.2506, 0.3103, 0.3217

### Deuteranopia

79.3310, 0.3085, 0.3020



## Tritanopia

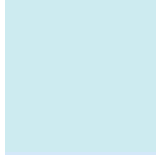
79.6075, 0.2699, 0.3126

# Trichromacy



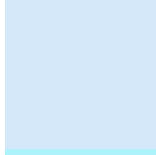
## Original Color

79.9363, 0.2628, 0.3289



## Protanomaly

78.6871, 0.2903, 0.3235



## Deuteranomaly

78.5498, 0.2894, 0.3110



## Tritanomaly

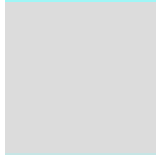
79.5312, 0.2669, 0.3178

# Monochromacy



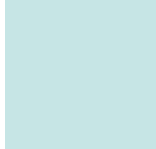
## Original Color

79.9363, 0.2628, 0.3289



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.7015, 0.2921, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9363, 0.2628, 0.3289 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(159, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(159, 246, 246)  
}
```

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(159, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 246, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9363, 0.2628, 0.3289 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(159, 246, 246) }
```

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

```
.border{ border-color:rgb(159, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(159, 246,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9363, 0.2628, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 246, 246) }
```

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

```
.background{ background-color: rgb(159,  
246, 246) }
```

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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