

# Converting Colors

Yxy(80.4611, 0.2653, 0.3289)

Have a look what the booklet for  
Yxy(80.4611, 0.2653, 0.3289)  
contains.

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# Color

**Yxy(80.4579, 0.2653, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4F6F6
RGB	164, 246, 246
RGB Percent	64%, 96%, 96%
CMY	0.3568, 0.0353, 0.0354
CMYK	0.33, 0.00, 0.00, 0.04
HSL	180°, 82%, 80%
HSV	180°, 33%, 96%
XYZ	64.8996, 80.4579, 99.2697
YIQ	221.4820, -48.8720, -17.3840

# Conversions

## Conversions Part 2

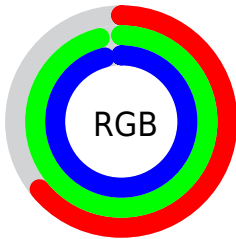
Format	Color
<a href="#">RYB</a>	164, 205, 246
Decimal	10811126
CIELab	91.89, -24.75, -7.91
CIElCh	92, 25.988, 197.731
Yxy	80.4579, 0.2653, 0.3289
Android (android.graphics.Color)	4289001206 (0xFFA4F6F6)
YUV	221.4820, 12.0874, -50.4117
Hunter-Lab	89.6983, -27.8216, -2.8278

# Details

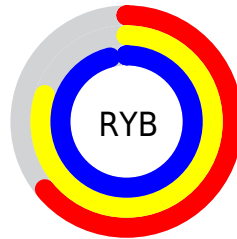
The Yxy color **80.4579, 0.2653, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8372, 0.3909, 0.3292**, and the grayscale version is **72.6064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **43.3010, 0.2546, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **78.0908, 0.2540, 0.3289**, and if you desaturate by 10%, it is **83.3377, 0.2782, 0.3289**.

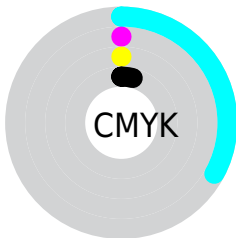
# Distribution



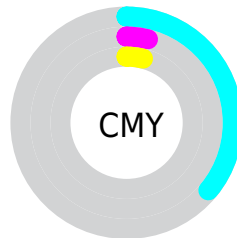
- Red (64%)
- Green (96%)
- Blue (96%)



- Red (64%)
- Yellow (80%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4579, 0.2653, 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 80.4579, 0.2653, 0.3289 by changing the saturation by 10% instead.




 80.4579, 0.2653,  
0.3289

 80.4579, 0.2653,  
0.3289


496.4746, 0.2865,  
0.3293

 60.0952, 0.2606,  
0.3287

 134.0093, 0.2725,  
0.3291

 43.4954, 0.2549,  
0.3285

 167.9669, 0.2754,  
0.3292

 30.2740, 0.2478,  
0.3281

207.2248, 0.2779,  
0.3292

 20.0467, 0.2387,  
0.3274

252.1676, 0.2800,  
0.3293

 12.4290, 0.2268,  
0.3264

303.1796, 0.2819,  
0.3293

 7.0365, 0.2103,  
0.3246


360.6451, 0.2837,


 3.4850, 0.1864,


0.3293


0.3210


424.9487, 0.2852,  
0.3293

 1.3899, 0.1461,  
0.3140


 0.2092, 0.0000,  
0.2113


 80.4579, 0.2653,  
0.3289


 80.4579, 0.2653,  
0.3289


 78.0908, 0.2540,  
0.3289


 83.3377, 0.2782,  
0.3289


 76.1974, 0.2444,  
0.3289

 86.7474, 0.2924,  
0.3290

 74.7486, 0.2368,  
0.3289

 90.7153, 0.3075,  
0.3290

 73.7082, 0.2311,  
0.3289

 93.8283, 0.3185,  
0.3290

■ 73.0341, 0.2274,  
0.3289

■ 93.8290, 0.3185,  
0.3290

■ 72.6754, 0.2253,  
0.3289

■ 93.8297, 0.3185,  
0.3290

■ 72.5610, 0.2247,  
0.3289

■ 93.8304, 0.3185,  
0.3290

■ 93.8311, 0.3185,  
0.3290

■ 93.8318, 0.3185,  
0.3290

# Harmonies

## Analogous

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



80.4579, 0.2870, 0.3574



80.4579, 0.2653, 0.3289



80.4579, 0.2560, 0.3021

# Triad

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



80.4579, 0.2653, 0.3289



80.4579, 0.3068, 0.2858



80.4579, 0.3667, 0.3723

# Complementary

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



80.4579, 0.2653, 0.3289



48.8372, 0.3909, 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.



80.4579, 0.3730, 0.3513



80.4579, 0.2653, 0.3289



80.4579, 0.3375, 0.3027

# Square

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



80.4579, 0.2653, 0.3289



80.4579, 0.2790, 0.2790



80.4579, 0.3622, 0.3261

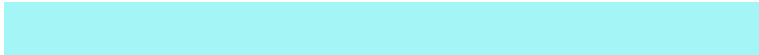


80.4579, 0.3456, 0.3828



# Rectangle

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



80.4579, 0.2653, 0.3289



80.4579, 0.2577, 0.2891



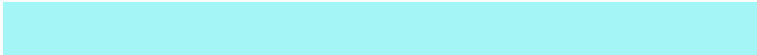
80.4579, 0.3622, 0.3261



80.4579, 0.3706, 0.3662

# Sweetspot

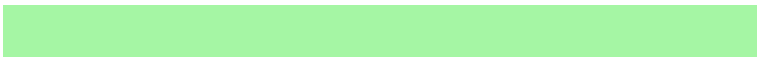
The Sweet Spot groups the original color and five complimentary colors.



80.4611, 0.2653, 0.3289



95.4796, 0.2973, 0.3290



76.6369, 0.3089, 0.4284



20.3113, 0.2952, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

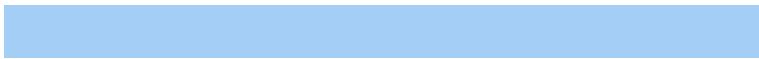
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4611, 0.2653, 0.3289



85.5093, 0.2575, 0.3289



58.8765, 0.2593, 0.2821



18.7577, 0.2981, 0.3290



38.7290, 0.2247, 0.3289



3.4039, 0.2247, 0.3289



# Inverse Universe

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



48.8372, 0.3909, 0.3292



46.3439, 0.4148, 0.3293



65.2943, 0.3768, 0.3715



16.4827, 0.3294, 0.3290



10.4581, 0.6400, 0.3299

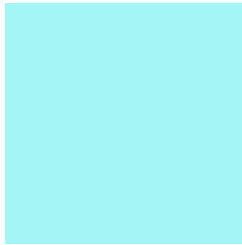


0.9192, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 80.4579, 0.2653, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

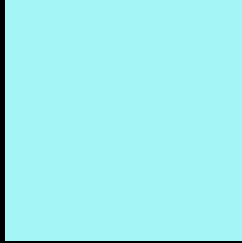
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4579, 0.2653, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

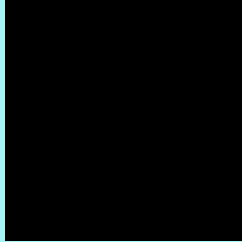
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.4579, 0.2653, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4579, 0.2653, 0.3289.

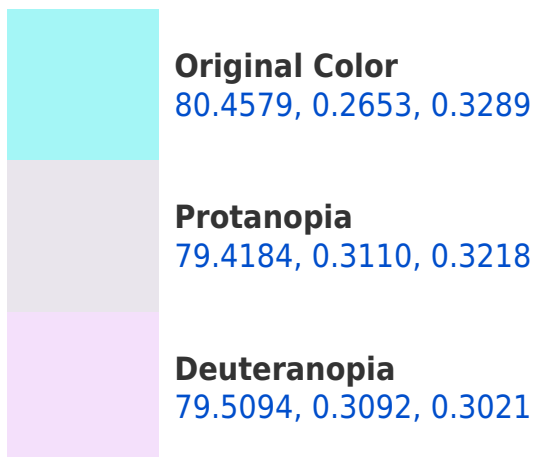


This preview shows how white text looks on a background with the Yxy color 80.4579, 0.2653, 0.3289.

# 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





## Tritanopia

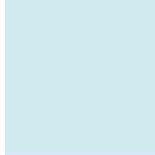
80.1050, 0.2721, 0.3127

# Trichromacy



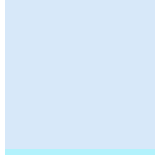
## Original Color

80.4579, 0.2653, 0.3289



## Protanomaly

79.1178, 0.2922, 0.3236



## Deuteranomaly

78.9999, 0.2913, 0.3111



## Tritanomaly

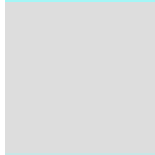
80.1162, 0.2695, 0.3179

# Monochromacy



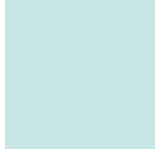
## Original Color

80.4579, 0.2653, 0.3289



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.5862, 0.2928, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4579, 0.2653, 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(164, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 246, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4579, 0.2653, 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(164, 246, 246) }
```

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

```
.border{ border-color:rgb(164, 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(164, 246, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(164, 246,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4579, 0.2653, 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(164, 246, 246) }
```

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

```
.background{ background-color: rgb(164,  
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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