

# Converting Colors

$Yxy(79.0998, 0.2659, 0.3291)$

Have a look what the booklet for  
Yxy(79.0998, 0.2659, 0.3291)  
contains.

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# Color

**Yxy(79.1255, 0.2660, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4F4F4
RGB	164, 244, 244
RGB Percent	64%, 96%, 96%
CMY	0.3566, 0.0431, 0.0433
CMYK	0.33, 0.00, 0.00, 0.04
HSL	180°, 78%, 80%
HSV	180°, 33%, 96%
XYZ	63.9933, 79.1255, 97.4574
YIQ	220.0800, -47.6800, -16.9600

# Conversions

## Conversions Part 2

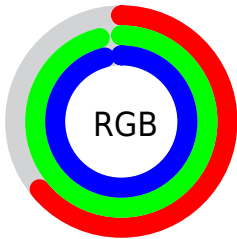
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 204, 244
Decimal	10810612
CIELab	91.29, -24.23, -7.76
CIELCh	91, 25.444, 197.757
Yxy	79.1255, 0.2660, 0.3289
Android (android.graphics.Color)	4289000692 (0xFFA4F4F4)
YUV	220.0800, 11.7926, -49.1822
Hunter-Lab	88.9525, -27.2524, -2.6920

# Details

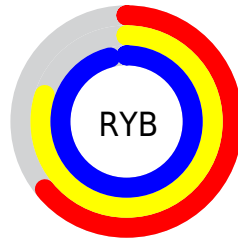
The Yxy color **79.1255, 0.2660, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.4881, 0.3890, 0.3292**, and the grayscale version is **71.5785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **42.7854, 0.2555, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **76.7751, 0.2546, 0.3289**, and if you desaturate by 10%, it is **81.9802, 0.2790, 0.3289**.

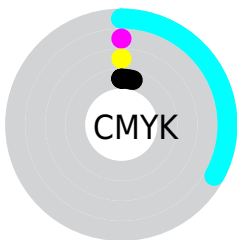
# Distribution



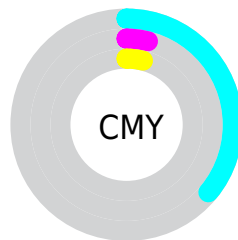
- Red (64%)
- Green (96%)
- Blue (96%)



- 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 79.1255, 0.2660, 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 79.1255, 0.2660, 0.3289 by changing the saturation by 10% instead.





 79.1255, 0.2660,  
0.3289


 79.1255, 0.2660,  
0.3289


491.9808, 0.2870,  
0.3293

 58.9990, 0.2613,  
0.3287


 132.1355, 0.2732,  
0.3291

 42.6123, 0.2557,  
0.3285


 165.7878, 0.2760,  
0.3292

 29.5810, 0.2486,  
0.3281


204.7175, 0.2784,  
0.3292

 19.5208, 0.2396,  
0.3275

249.3090, 0.2806,  
0.3293

 12.0472, 0.2276,  
0.3264

299.9467, 0.2825,  
0.3293

 6.7758, 0.2111,  
0.3246

357.0150, 0.2841,

 3.3223, 0.1869,

0.3293

420.8982, 0.2857,  
0.3293

0.3211

1.3022, 0.1441,  
0.3145

0.1429, 0.0000,  
0.1699

79.1255, 0.2660,  
0.3289

79.1255, 0.2660,  
0.3289

76.7751, 0.2546,  
0.3289

81.9802, 0.2790,  
0.3289

74.8910, 0.2449,  
0.3289

85.3561, 0.2932,  
0.3290

73.4450, 0.2372,  
0.3289

89.2808, 0.3084,  
0.3290

72.4016, 0.2314,  
0.3289

92.4926, 0.3199,  
0.3290

■ 71.7202, 0.2275,  
0.3289

■ 92.4933, 0.3199,  
0.3290

■ 71.3514, 0.2254,  
0.3289

■ 92.4939, 0.3199,  
0.3290

■ 71.2256, 0.2247,  
0.3289

■ 92.4946, 0.3198,  
0.3290

■ 92.4953, 0.3198,  
0.3290

■ 92.4959, 0.3198,  
0.3290

# Harmonies

## Analogous

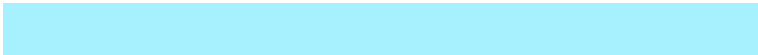
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1255, 0.2874, 0.3569



79.1255, 0.2660, 0.3289



79.1255, 0.2568, 0.3025

# Triad

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



79.1255, 0.2660, 0.3289



79.1255, 0.3069, 0.2864



79.1255, 0.3658, 0.3717

# Complementary

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



79.1255, 0.2660, 0.3289



48.4881, 0.3890, 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.



79.1255, 0.3720, 0.3510



79.1255, 0.2660, 0.3289



79.1255, 0.3371, 0.3031

# Square

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



79.1255, 0.2660, 0.3289



79.1255, 0.2795, 0.2798



79.1255, 0.3614, 0.3262



79.1255, 0.3451, 0.3820

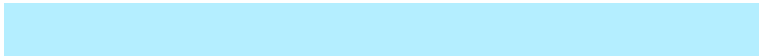


# Rectangle

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



79.1255, 0.2660, 0.3289



79.1255, 0.2585, 0.2897



79.1255, 0.3614, 0.3262



79.1255, 0.3697, 0.3657

# Sweetspot

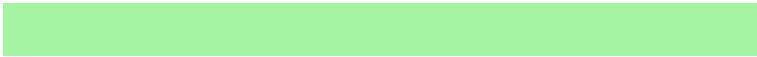
The Sweet Spot groups the original color and five complimentary colors.



79.1287, 0.2660, 0.3289



95.4797, 0.2973, 0.3290



75.4242, 0.3089, 0.4264



20.3113, 0.2952, 0.3290



0.0000, 0.0000, 0.0000

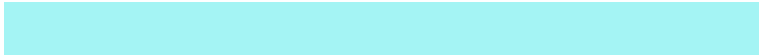


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.1287, 0.2660, 0.3289



85.7603, 0.2586, 0.3289



58.2655, 0.2602, 0.2831



18.7577, 0.2981, 0.3290



38.7291, 0.2247, 0.3289



3.4039, 0.2247, 0.3289



# Inverse Universe

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



48.4881, 0.3890, 0.3292



47.2727, 0.4111, 0.3292



64.4836, 0.3754, 0.3707



16.4827, 0.3294, 0.3290



10.4581, 0.6400, 0.3299

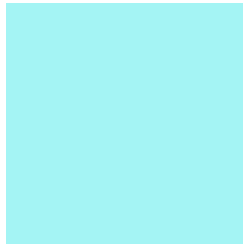


0.9192, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 79.1255, 0.2660, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

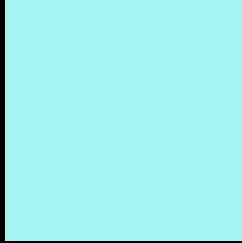
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1255, 0.2660, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

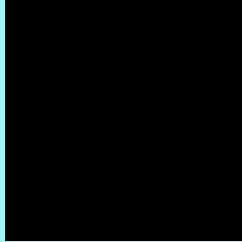
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1255, 0.2660, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1255, 0.2660, 0.3289.

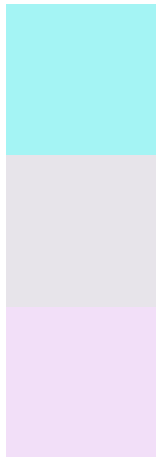


This preview shows how white text looks on a background with the Yxy color 79.1255, 0.2660, 0.3289.

# 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

79.1255, 0.2660, 0.3289

### Protanopia

78.4162, 0.3110, 0.3228

### Deuteranopia

78.4299, 0.3097, 0.3039



## Tritanopia

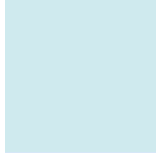
78.8981, 0.2692, 0.3114

# Trichromacy



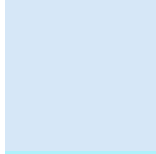
## Original Color

79.1255, 0.2660, 0.3289



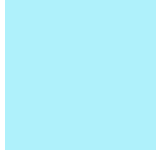
## Protanomaly

78.2841, 0.2927, 0.3246



## Deuteranomaly

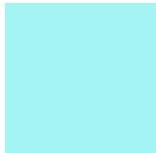
78.1634, 0.2918, 0.3120



## Tritanomaly

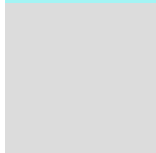
78.9896, 0.2677, 0.3178

# Monochromacy



## Original Color

79.1255, 0.2660, 0.3289



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.9751, 0.2934, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1255, 0.2660, 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, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 244)  
}
```

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, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1255, 0.2660, 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, 244, 244) }
```

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

```
.border{ border-color:rgb(164, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1255, 0.2660, 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, 244, 244) }
```

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

```
.background{ background-color: rgb(164,  
244, 244) }
```

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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