

# Converting Colors

$Yxy(79.2563, 0.2735, 0.3246)$

Have a look what the booklet for  
Yxy(79.2563, 0.2735, 0.3246)  
contains.

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# Color

**Yxy(79.2065, 0.2735, 0.3245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4F1F5
RGB	180, 241, 245
RGB Percent	71%, 95%, 96%
CMY	0.2940, 0.0549, 0.0394
CMYK	0.27, 0.02, 0.00, 0.04
HSL	184°, 76%, 83%
HSV	184°, 27%, 96%
XYZ	66.7580, 79.2065, 98.1233
YIQ	223.2170, -37.6400, -11.6880

# Conversions

## Conversions Part 2

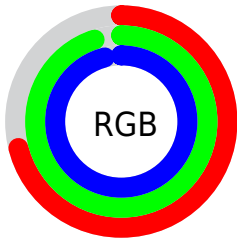
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 211, 245
Decimal	11858421
CIE Lab	91.33, -18.17, -8.13
CIE LCh	91, 19.905, 204.121
Yxy	79.2065, 0.2735, 0.3245
Android (android.graphics.Color)	4290048501 (0xFFB4F1F5)
YUV	223.2170, 10.7390, -37.9013
Hunter-Lab	88.9980, -21.8525, -3.0706

# Details

The Yxy color **79.2065, 0.2735, 0.3245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.9752, 0.3688, 0.3335**, and the grayscale version is **73.9001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **42.7320, 0.2645, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **75.6444, 0.2606, 0.3226**, and if you desaturate by 10%, it is **83.3018, 0.2876, 0.3263**.

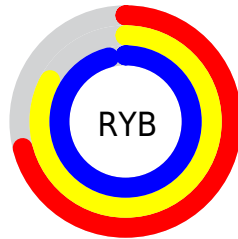
# Distribution



Red (71%)

Green (95%)

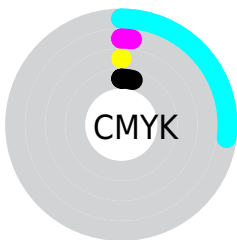
Blue (96%)



Red (71%)

Yellow (83%)

Blue (96%)

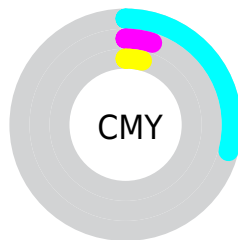


Cyan (27%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (29%)

Magenta (5%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2065, 0.2735, 0.3245 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 79.2065, 0.2735, 0.3245 by changing the saturation by 10% instead.





 79.2065, 0.2735,  
0.3245

 79.2065, 0.2735,  
0.3245


492.2546, 0.2912,  
0.3268

 59.0656, 0.2696,  
0.3239


 132.2495, 0.2795,  
0.3254

 42.6659, 0.2648,  
0.3232


165.9205, 0.2819,  
0.3257

 29.6231, 0.2588,  
0.3222


204.8702, 0.2840,  
0.3259

 19.5527, 0.2512,  
0.3208

249.4831, 0.2858,  
0.3262

 12.0703, 0.2410,  
0.3189

300.1436, 0.2874,  
0.3264

 6.7916, 0.2269,  
0.3158

357.2361, 0.2888,

 3.3321, 0.2061,

0.3265

421.1450, 0.2900,  
0.3267

0.3106

1.3075, 0.1720,  
0.3005

0.1470, 0.0000,  
0.1678

79.2065, 0.2735,  
0.3245

79.2065, 0.2735,  
0.3245

75.6444, 0.2606,  
0.3226

83.3018, 0.2876,  
0.3263

72.5785, 0.2492,  
0.3206

87.9460, 0.3026,  
0.3280

69.9821, 0.2396,  
0.3185

93.1661, 0.3182,  
0.3295


67.8222, 0.2318,  
0.3164

94.3560, 0.3191,  
0.3310

 66.0612, 0.2260,  
0.3144


 95.2724, 0.3190,  
0.3324

 64.6553, 0.2221,  
0.3123


 96.1961, 0.3189,  
0.3338

 63.5494, 0.2199,  
0.3103

 97.1272, 0.3188,  
0.3352

 63.2037, 0.2193,  
0.3095

 98.0656, 0.3187,  
0.3367

 99.0114, 0.3186,  
0.3381

# Harmonies

## Analogous

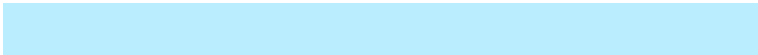
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2065, 0.2888, 0.3464



79.2065, 0.2735, 0.3245



79.2065, 0.2685, 0.3049

# Triad

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



79.2065, 0.2735, 0.3245



79.2065, 0.3134, 0.2975



79.2065, 0.3517, 0.3652

# Complementary

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



79.2065, 0.2735, 0.3245



56.9752, 0.3688, 0.3335

# 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.



79.2065, 0.3591, 0.3506



79.2065, 0.2735, 0.3245



79.2065, 0.3365, 0.3122

# Square

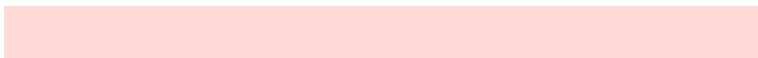
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2065, 0.2735, 0.3245



79.2065, 0.2908, 0.2904



79.2065, 0.3535, 0.3313



79.2065, 0.3338, 0.3704

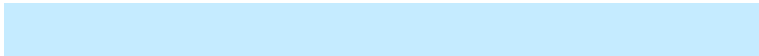


# Rectangle

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



79.2065, 0.2735, 0.3245



79.2065, 0.2714, 0.2958



79.2065, 0.3535, 0.3313



79.2065, 0.3555, 0.3611

# Sweetspot

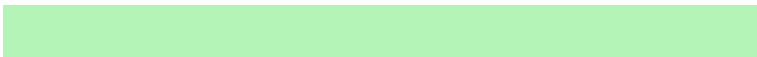
The Sweet Spot groups the original color and five complimentary colors.



79.2097, 0.2735, 0.3245



95.5437, 0.3003, 0.3277



78.4177, 0.3073, 0.4014



20.2806, 0.2980, 0.3275



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.



79.2097, 0.2735, 0.3245



84.5387, 0.2662, 0.3235



62.0185, 0.2700, 0.2879



18.5747, 0.2981, 0.3275



34.1369, 0.2194, 0.3099



3.0518, 0.2201, 0.3124



# Inverse Universe

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



58.4094, 0.3188, 0.2666



58.2047, 0.3203, 0.2536



71.6803, 0.3602, 0.3669



16.7498, 0.3147, 0.3071



13.5455, 0.3368, 0.1629

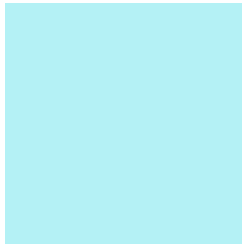


1.1957, 0.3346, 0.1617



# Previews

## White Background



This preview shows how the Yxy color 79.2065, 0.2735, 0.3245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

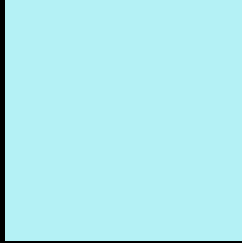
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2065, 0.2735, 0.3245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

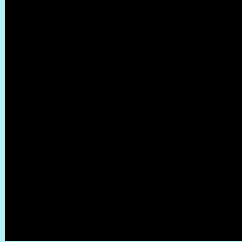
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.2065, 0.2735, 0.3245**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2065, 0.2735, 0.3245.

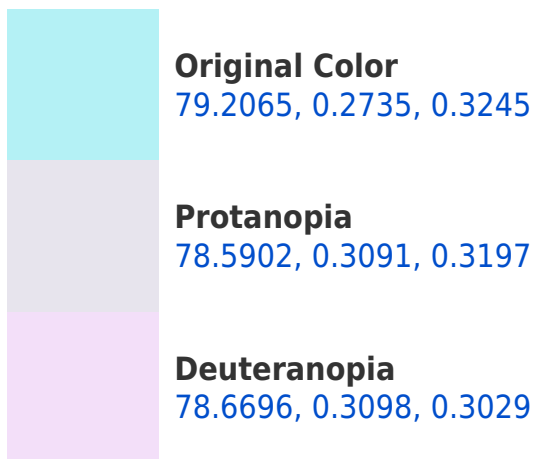


This preview shows how white text looks on a background with the Yxy color 79.2065, 0.2735, 0.3245.

# 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

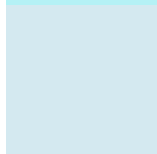
79.1879, 0.2730, 0.3105

# Trichromacy



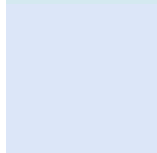
## Original Color

79.2065, 0.2735, 0.3245



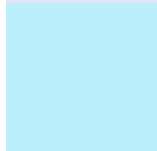
## Protanomaly

78.5661, 0.2947, 0.3215



## Deuteranomaly

78.5866, 0.2950, 0.3102



## Tritanomaly

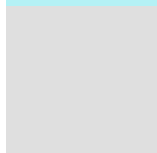
79.1371, 0.2735, 0.3158

# Monochromacy



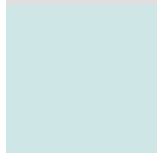
## Original Color

79.2065, 0.2735, 0.3245



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.6285, 0.2968, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2065, 0.2735, 0.3245 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(180, 241, 245)` looks like.

```
.text, #text, p{  
    color:rgb(180, 241, 245)  
}
```

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(180, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 241, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2065, 0.2735, 0.3245 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(180, 241, 245) }
```

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

```
.border{ border-color:rgb(180, 241, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 241, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 241, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 241, 245); box-shadow:4px 4px 4px 4px rgb(180, 241, 245) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2065, 0.2735, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 241, 245) }
```

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

```
.background{ background-color: rgb(180,  
241, 245) }
```

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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