

# Converting Colors

$Yxy(76.0827, 0.2792, 0.3396)$

Have a look what the booklet for  
Yxy(76.0827, 0.2792, 0.3396)  
contains.

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# **Color**

**Yxy(76.0363, 0.2794, 0.3392)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0EEE5
RGB	176, 238, 229
RGB Percent	69%, 93%, 90%
CMY	0.3095, 0.0667, 0.1020
CMYK	0.26, 0.00, 0.04, 0.07
HSL	171°, 65%, 81%
HSV	171°, 26%, 93%
XYZ	62.6313, 76.0363, 85.4960
YIQ	218.4360, -34.0630, -15.9430

# Conversions

## Conversions Part 2

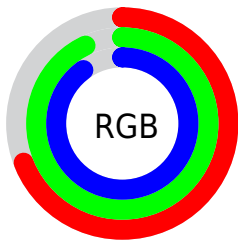
Format	Color
<b>RYB</b>	176, 209, 238
Decimal	11595493
CIELab	89.88, -21.26, -1.97
CIElCh	90, 21.355, 185.285
Yxy	76.0363, 0.2794, 0.3392
Android (android.graphics.Color)	4289785573 (0xFFB0EEE5)
YUV	218.4360, 5.2081, -37.2164
Hunter-Lab	87.1988, -24.3887, 2.9070

# Details

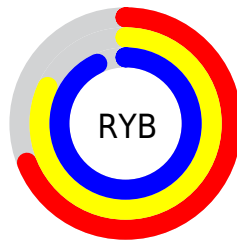
The Yxy color **76.0363, 0.2794, 0.3392** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.7583, 0.3603, 0.3192**, and the grayscale version is **70.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **40.6495, 0.2717, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **73.3114, 0.2683, 0.3437**, and if you desaturate by 10%, it is **79.2576, 0.2916, 0.3350**.

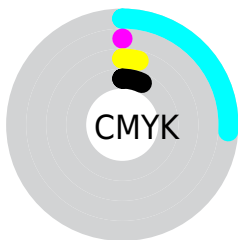
# Distribution



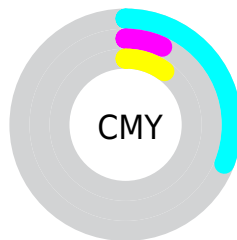
- Red (69%)
- Green (93%)
- Blue (90%)



- Red (69%)
- Yellow (82%)
- Blue (93%)



- Cyan (26%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)




- Cyan (31%)
- Magenta (7%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0363, 0.2794, 0.3392 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 76.0363, 0.2794, 0.3392 by changing the saturation by 10% instead.





 76.0363, 0.2794,  
0.3392

 76.0363, 0.2794,  
0.3392


481.4720, 0.2946,  
0.3346

 56.4623, 0.2760,  
0.3402


 127.7782, 0.2846,  
0.3376

 40.5737, 0.2718,  
0.3414


160.7149, 0.2867,  
0.3370

 27.9861, 0.2665,  
0.3430


198.8746, 0.2885,  
0.3365

 18.3152, 0.2596,  
0.3450

242.6417, 0.2900,  
0.3360

 11.1765, 0.2503,  
0.3476

292.4006, 0.2914,  
0.3356

 6.1857, 0.2373,  
0.3512

348.5356, 0.2926,

 2.9583, 0.2173,

0.3352

411.4313, 0.2937,  
0.3349

0.3564

1.1100, 0.1730,  
0.3693

0.0000, 0.0000,  
0.0000

76.0363, 0.2794,  
0.3392

76.0363, 0.2794,  
0.3392

73.3114, 0.2683,  
0.3437

79.2576, 0.2916,  
0.3350

71.0482, 0.2587,  
0.3485

82.9896, 0.3046,  
0.3312

69.2222, 0.2507,  
0.3535

87.2575, 0.3182,  
0.3277

67.8026, 0.2445,  
0.3586


88.8657, 0.3210,  
0.3243


 66.7548, 0.2404,  
0.3638

 89.0765, 0.3189,  
0.3210


 66.0383, 0.2381,  
0.3690

 89.2913, 0.3167,  
0.3177

 65.6028, 0.2377,  
0.3741

 89.5101, 0.3146,  
0.3144

 65.4756, 0.2378,  
0.3761

 89.6249, 0.3135,  
0.3127

# Harmonies

## Analogous

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



76.0363, 0.3011, 0.3609



76.0363, 0.2794, 0.3392



76.0363, 0.2667, 0.3154

# Triad

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



76.0363, 0.2794, 0.3392



76.0363, 0.2975, 0.2889



76.0363, 0.3618, 0.3591

# Complementary

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



76.0363, 0.2794, 0.3392



52.7583, 0.3603, 0.3192

# 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.



76.0363, 0.3610, 0.3394



76.0363, 0.2794, 0.3392



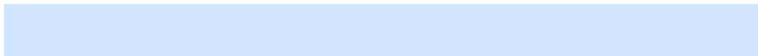
76.0363, 0.3231, 0.3000

# Square

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



76.0363, 0.2794, 0.3392



76.0363, 0.2768, 0.2875



76.0363, 0.3466, 0.3181



76.0363, 0.3489, 0.3719

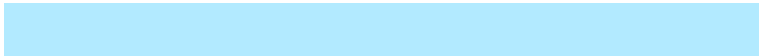


# Rectangle

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



76.0363, 0.2794, 0.3392



76.0363, 0.2648, 0.3021



76.0363, 0.3466, 0.3181



76.0363, 0.3631, 0.3531

# Sweetspot

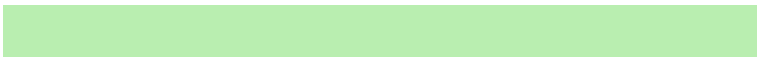
The Sweet Spot groups the original color and five complimentary colors.



76.0394, 0.2794, 0.3392



96.1446, 0.3019, 0.3319



74.6407, 0.3153, 0.4022



20.4334, 0.2999, 0.3325



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.



76.0394, 0.2794, 0.3392



87.2461, 0.2736, 0.3415



64.6856, 0.2723, 0.3037



17.8871, 0.3000, 0.3324



36.5463, 0.2376, 0.3753



3.0510, 0.2357, 0.3685



# Inverse Universe

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



52.7583, 0.3603, 0.3192



55.8979, 0.3732, 0.3171



61.5828, 0.3624, 0.3529



15.7963, 0.3270, 0.3256



10.2187, 0.6203, 0.3191

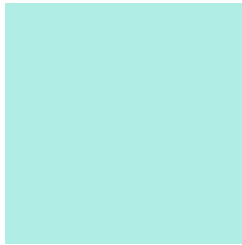


0.8615, 0.5889, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 76.0363, 0.2794, 0.3392 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

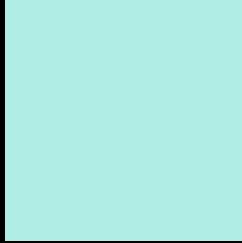
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0363, 0.2794, 0.3392 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

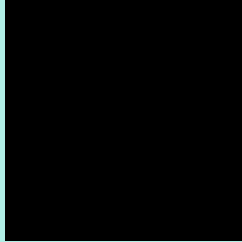
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

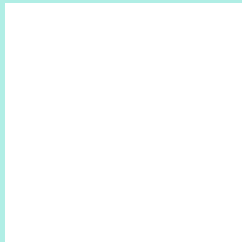
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0363, 0.2794, 0.3392**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0363, 0.2794, 0.3392.

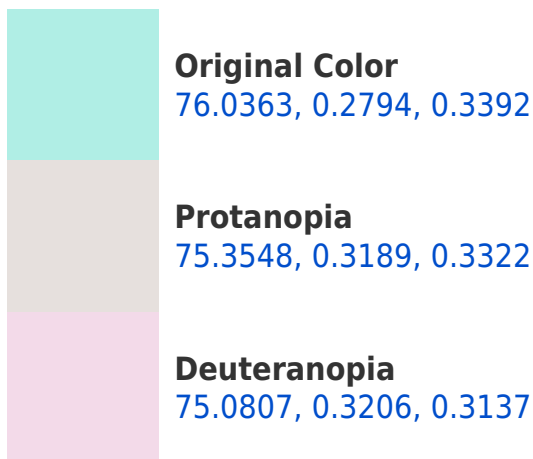


This preview shows how white text looks on a background with the Yxy color 76.0363, 0.2794, 0.3392.

# 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

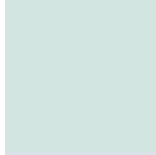
75.7612, 0.2691, 0.3079

# Trichromacy



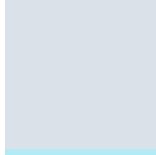
## Original Color

76.0363, 0.2794, 0.3392



## Protanomaly

75.1221, 0.3030, 0.3345



## Deuteranomaly

74.7367, 0.3041, 0.3215



## Tritanomaly

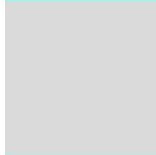
75.5320, 0.2728, 0.3188

# Monochromacy



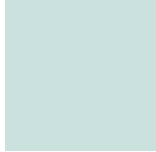
## Original Color

76.0363, 0.2794, 0.3392



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.8209, 0.2996, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0363, 0.2794, 0.3392 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(176, 238, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 238, 229)  
}
```

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(176, 238, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 238, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0363, 0.2794, 0.3392 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(176, 238, 229) }
```

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

```
.border{ border-color:rgb(176, 238, 229) }
```

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

Here you see how a box with a 4 pixel rgb(176, 238, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 238, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 238, 229);  
box-shadow:4px 4px 4px 4px rgb(176, 238,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0363, 0.2794, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 238, 229) }
```

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

```
.background{ background-color: rgb(176,  
238, 229) }
```

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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