

# Converting Colors

$Yxy(74.6672, 0.2679, 0.3176)$

Have a look what the booklet for  
Yxy(74.6672, 0.2679, 0.3176)  
contains.

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# Color

**Yxy(74.6672, 0.2679, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEBF5
RGB	171, 235, 245
RGB Percent	67%, 92%, 96%
CMY	0.3293, 0.0784, 0.0394
CMYK	0.30, 0.04, 0.00, 0.04
HSL	188°, 79%, 82%
HSV	188°, 30%, 96%
XYZ	62.9828, 74.6672, 97.4482
YIQ	217.0040, -41.3540, -10.4580

# Conversions

## Conversions Part 2

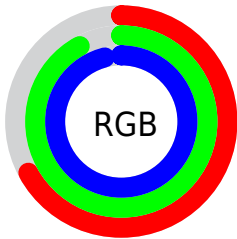
Format	Color
<a href="#">RYB</a>	<a href="#">171, 205, 245</a>
Decimal	<a href="#">11267061</a>
CIELab	<a href="#">89.24, -17.70, -11.30</a>
CIELCh	<a href="#">89, 20.994, 212.550</a>
Yxy	<a href="#">74.6672, 0.2679, 0.3176</a>
Android (android.graphics.Color)	<a href="#">4289457141 (0xFFABEBF5)</a>
YUV	<a href="#">217.0040, 13.8020, -40.3455</a>
Hunter-Lab	<a href="#">86.4102, -21.1124, -6.3766</a>

# Details

The Yxy color **74.6672, 0.2679, 0.3176** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.3871, 0.3777, 0.3400**, and the grayscale version is **69.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **39.6273, 0.2576, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **70.2972, 0.2549, 0.3133**, and if you desaturate by 10%, it is **79.5879, 0.2820, 0.3217**.

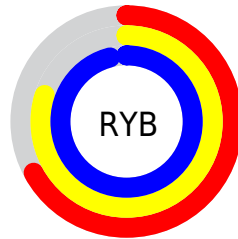
# Distribution



Red (67%)

Green (92%)

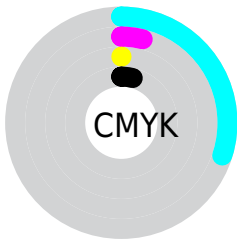
Blue (96%)



Red (67%)

Yellow (80%)

Blue (96%)

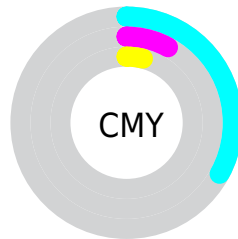


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (8%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6672, 0.2679, 0.3176 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 74.6672, 0.2679, 0.3176 by changing the saturation by 10% instead.



74.6672, 0.2679,  
0.3176

74.6672, 0.2679,  
0.3176

476.7729, 0.2882,  
0.3232

55.3403, 0.2634,  
0.3162

125.8412, 0.2749,  
0.3196

39.6742, 0.2578,  
0.3145

158.4570, 0.2776,  
0.3204

27.2846, 0.2508,  
0.3123

196.2713, 0.2800,  
0.3210

17.7871, 0.2419,  
0.3093

239.6684, 0.2820,  
0.3216

10.7973, 0.2300,  
0.3051

289.0327, 0.2839,  
0.3221

5.9307, 0.2134,  
0.2987

344.7486, 0.2855,

2.8030, 0.1888,

0.3225

0.2881

407.2006, 0.2869,  
0.3229

■ 1.0298, 0.1417,  
0.2702

■ 0.0000, 0.0000,  
0.0000

■ 74.6672, 0.2679,  
0.3176

■ 74.6672, 0.2679,  
0.3176

■ 70.2972, 0.2549,  
0.3133

■ 79.5879, 0.2820,  
0.3217

■ 66.4407, 0.2433,  
0.3087

■ 85.0767, 0.2970,  
0.3255

■ 63.0694, 0.2334,  
0.3040

■ 91.1609, 0.3124,  
0.3289

■ 60.1488, 0.2253,  
0.2992

■ 95.1092, 0.3190,  
0.3321

■ 57.6389, 0.2192,  
0.2944

■ 97.1581, 0.3188,  
0.3353

■ 55.4926, 0.2151,  
0.2896

■ 99.2429, 0.3185,  
0.3384

■ 53.6627, 0.2125,  
0.2850

■ 99.3703, 0.3185,  
0.3386

# Harmonies

## Analogous

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



74.6672, 0.2814, 0.3413



74.6672, 0.2679, 0.3176



74.6672, 0.2659, 0.2984

# Triad

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



74.6672, 0.2679, 0.3176



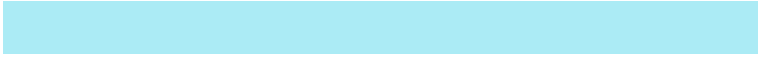
74.6672, 0.3206, 0.2990



74.6672, 0.3501, 0.3707

# Complementary

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



74.6672, 0.2679, 0.3176



55.3871, 0.3777, 0.3400

# 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.



74.6672, 0.3617, 0.3572



74.6672, 0.2679, 0.3176



74.6672, 0.3444, 0.3164

# Square

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



74.6672, 0.2679, 0.3176



74.6672, 0.2955, 0.2888



74.6672, 0.3597, 0.3374



74.6672, 0.3286, 0.3729

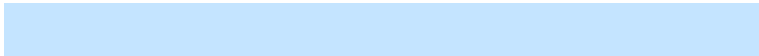


# Rectangle

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



74.6672, 0.2679, 0.3176



74.6672, 0.2712, 0.2906



74.6672, 0.3597, 0.3374



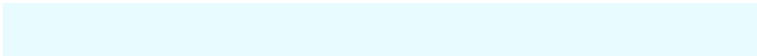
74.6672, 0.3554, 0.3672

# Sweetspot

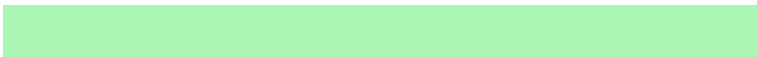
The Sweet Spot groups the original color and five complimentary colors.



74.6702, 0.2679, 0.3176



93.9479, 0.2988, 0.3259



77.2744, 0.3031, 0.4055



19.9101, 0.2965, 0.3254



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.



74.6702, 0.2679, 0.3176



78.9112, 0.2601, 0.3151



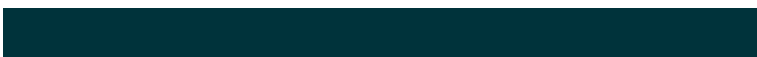
55.7004, 0.2629, 0.2737



18.3548, 0.2981, 0.3257



29.0688, 0.2127, 0.2858



2.6581, 0.2144, 0.2917



# Inverse Universe

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



54.5387, 0.3242, 0.2631



53.9746, 0.3269, 0.2503



72.4130, 0.3661, 0.3786



16.7276, 0.3159, 0.3088



13.0339, 0.3582, 0.1747

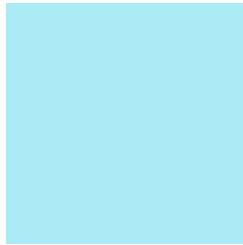


1.1560, 0.3528, 0.1717



# Previews

## White Background



This preview shows how the Yxy color 74.6672, 0.2679, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

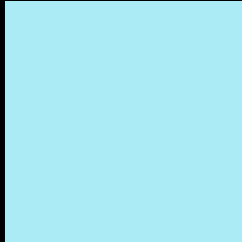
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6672, 0.2679, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

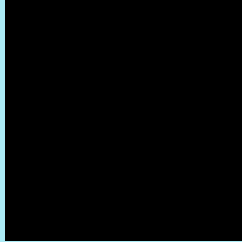
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6672, 0.2679, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6672, 0.2679, 0.3176.

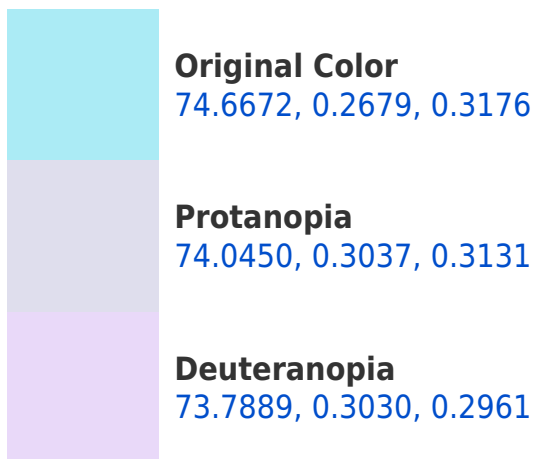


This preview shows how white text looks on a background with the Yxy color 74.6672, 0.2679, 0.3176.

# 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

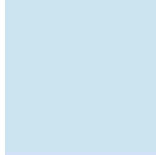
74.8217, 0.2648, 0.3077

# Trichromacy



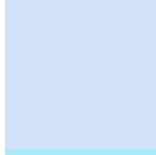
## Original Color

74.6672, 0.2679, 0.3176



## Protanomaly

74.0668, 0.2894, 0.3148



## Deuteranomaly

73.7903, 0.2884, 0.3033



## Tritanomaly

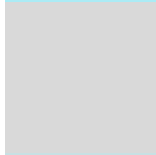
74.5184, 0.2657, 0.3109

# Monochromacy



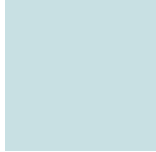
## Original Color

74.6672, 0.2679, 0.3176



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.1367, 0.2945, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6672, 0.2679, 0.3176 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(171, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 235, 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(171, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 235, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6672, 0.2679, 0.3176 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(171, 235, 245) }
```

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

```
.border{ border-color:rgb(171, 235, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 235,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6672, 0.2679, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 235, 245) }
```

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

```
.background{ background-color: rgb(171,  
235, 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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