

# Converting Colors

$Yxy(73.7625, 0.2772, 0.3258)$

Have a look what the booklet for  
Yxy(73.7625, 0.2772, 0.3258)  
contains.

<b>Yxy(73.8597, 0.2774, 0.3266)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(73.8597, 0.2774, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E9EB
RGB	179, 233, 235
RGB Percent	70%, 91%, 92%
CMY	0.2979, 0.0863, 0.0784
CMYK	0.24, 0.01, 0.00, 0.08
HSL	182°, 58%, 81%
HSV	182°, 24%, 92%
XYZ	62.7333, 73.8597, 89.5543
YIQ	217.0820, -32.8260, -10.8260

# Conversions

## Conversions Part 2

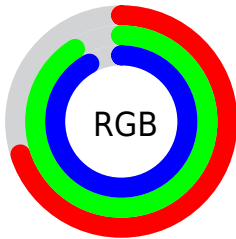
Format	Color
R <sub>Y</sub> B	179, 206, 235
Decimal	11790827
CIE Lab	88.86, -16.63, -6.60
CIE LCh	89, 17.893, 201.646
Yxy	73.8597, 0.2774, 0.3266
Android (android.graphics.Color)	4289980907 (0xFFB3E9EB)
YUV	217.0820, 8.8336, -33.3979
Hunter-Lab	85.9417, -20.1016, -1.6232

# Details

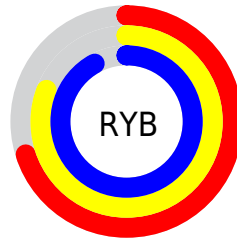
The Yxy color **73.8597, 0.2774, 0.3266** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.9938, 0.3618, 0.3314**, and the grayscale version is **69.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **39.0589, 0.2696, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **70.8178, 0.2644, 0.3255**, and if you desaturate by 10%, it is **77.3871, 0.2916, 0.3277**.

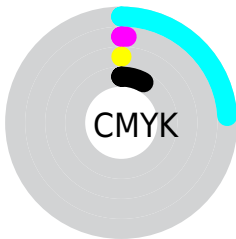
# Distribution



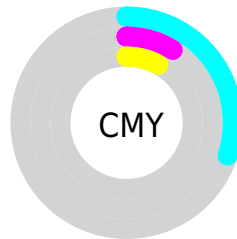
- Red (70%)
- Green (91%)
- Blue (92%)



- Red (70%)
- Yellow (81%)
- Blue (92%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)




- Cyan (30%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8597, 0.2774, 0.3266 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 73.8597, 0.2774, 0.3266 by changing the saturation by 10% instead.





 73.8597, 0.2774,  
0.3266

 73.8597, 0.2774,  
0.3266

473.9890, 0.2935,  
0.3279

 54.6792, 0.2738,  
0.3262

 124.6969, 0.2830,  
0.3271

 39.1449, 0.2693,  
0.3258


157.1224, 0.2851,  
0.3273

 26.8725, 0.2637,  
0.3251


194.7317, 0.2870,  
0.3274

 17.4775, 0.2564,  
0.3243

237.9092, 0.2886,  
0.3276

 10.5755, 0.2466,  
0.3229

287.0393, 0.2901,  
0.3277

 5.7822, 0.2328,  
0.3207


342.5064, 0.2914,

 2.7131, 0.2118,

0.3278

0.3168


404.6948, 0.2925,  
0.3279


 0.9838, 0.1666,  
0.3117


 0.0000, 0.0000,  
0.0000


 73.8597, 0.2774,  
0.3266


 73.8597, 0.2774,  
0.3266


 70.8178, 0.2644,  
0.3255


 77.3871, 0.2916,  
0.3277


 68.2283, 0.2528,  
0.3243

 81.4135, 0.3068,  
0.3286

 66.0678, 0.2429,  
0.3231

 85.9630, 0.3225,  
0.3296

 64.3074, 0.2349,  
0.3219

 87.4697, 0.3261,  
0.3304

■ 62.9143, 0.2289,  
0.3207

■ 87.9595, 0.3260,  
0.3312

■ 61.8510, 0.2248,  
0.3194

■ 88.4517, 0.3260,  
0.3320

■ 61.0713, 0.2224,  
0.3183

■ 88.9461, 0.3259,  
0.3329

■ 60.6874, 0.2215,  
0.3175

■ 89.4429, 0.3258,  
0.3337

■ 89.9420, 0.3257,  
0.3345

# Harmonies

## Analogous

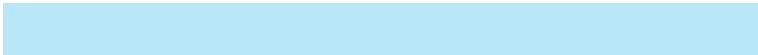
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8597, 0.2922, 0.3465



73.8597, 0.2774, 0.3266



73.8597, 0.2719, 0.3082

# Triad

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



73.8597, 0.2774, 0.3266



73.8597, 0.3116, 0.2991



73.8597, 0.3496, 0.3615

# Complementary

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



73.8597, 0.2774, 0.3266



53.9938, 0.3618, 0.3314

# 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.



73.8597, 0.3554, 0.3476



73.8597, 0.2774, 0.3266



73.8597, 0.3330, 0.3122

# Square

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



73.8597, 0.2774, 0.3266



73.8597, 0.2911, 0.2932



73.8597, 0.3492, 0.3297



73.8597, 0.3338, 0.3670



# Rectangle

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



73.8597, 0.2774, 0.3266



73.8597, 0.2740, 0.2993



73.8597, 0.3492, 0.3297



73.8597, 0.3528, 0.3576

# Sweetspot

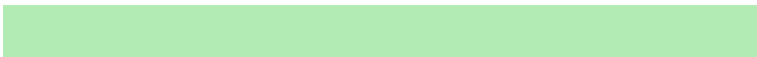
The Sweet Spot groups the original color and five complimentary colors.



73.8627, 0.2774, 0.3266



96.3607, 0.3018, 0.3283



72.3447, 0.3085, 0.3940



20.5611, 0.3009, 0.3283



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.



73.8627, 0.2774, 0.3266



86.8815, 0.2703, 0.3260



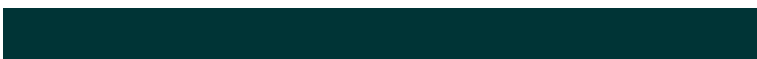
59.3287, 0.2747, 0.2938



17.0233, 0.2981, 0.3281



33.8142, 0.2216, 0.3177



2.6844, 0.2221, 0.3194



# Inverse Universe

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



55.8056, 0.3171, 0.2718



61.3776, 0.3181, 0.2590



66.4695, 0.3548, 0.3618



15.3039, 0.3143, 0.3066



12.9064, 0.3301, 0.1592

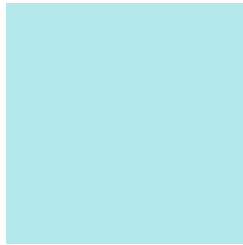


1.0164, 0.3287, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 73.8597, 0.2774, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

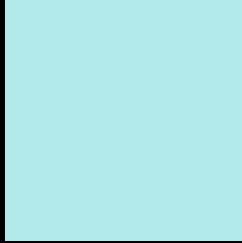
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8597, 0.2774, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

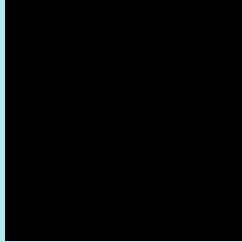
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

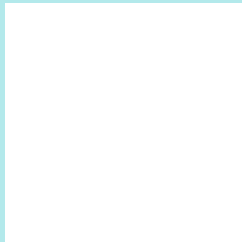
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8597, 0.2774, 0.3266**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8597, 0.2774, 0.3266.

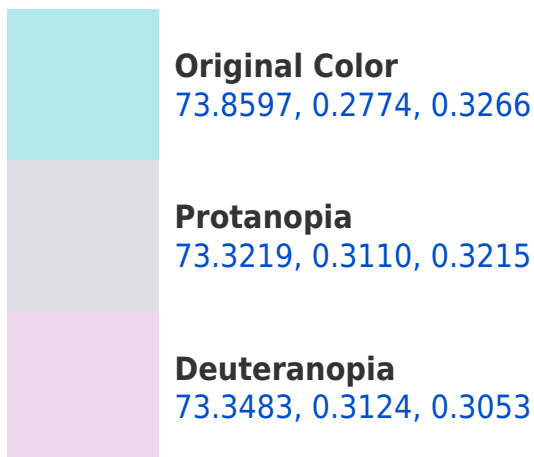


This preview shows how white text looks on a background with the Yxy color 73.8597, 0.2774, 0.3266.

# 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

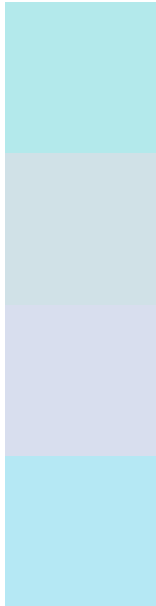




## Tritanopia

73.9365, 0.2714, 0.3089

# Trichromacy



## Original Color

73.8597, 0.2774, 0.3266

## Protanomaly

73.0298, 0.2974, 0.3224

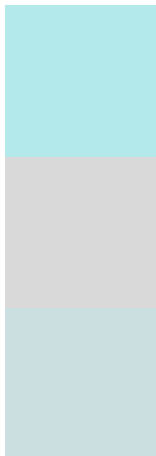
## Deuteranomaly

73.0145, 0.2984, 0.3118

## Tritanomaly

74.0686, 0.2736, 0.3154

# Monochromacy



## Original Color

73.8597, 0.2774, 0.3266

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.8537, 0.2983, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8597, 0.2774, 0.3266 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(179, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(179, 233, 235)  
}
```

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(179, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8597, 0.2774, 0.3266 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(179, 233, 235) }
```

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

```
.border{ border-color:rgb(179, 233, 235) }
```

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

Here you see how a box with a 4 pixel rgb(179, 233, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8597, 0.2774, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 235) }
```

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

```
.background{ background-color: rgb(179,  
233, 235) }
```

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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