

# Converting Colors

$Yxy(73.7059, 0.2688, 0.3192)$

Have a look what the booklet for  
Yxy(73.7059, 0.2688, 0.3192)  
contains.

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# Color

**Yxy(73.8025, 0.2687, 0.3198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEAF2
RGB	170, 234, 242
RGB Percent	67%, 92%, 95%
CMY	0.3337, 0.0823, 0.0511
CMYK	0.30, 0.03, 0.00, 0.05
HSL	187°, 73%, 81%
HSV	187°, 30%, 95%
XYZ	62.0098, 73.8025, 94.9648
YIQ	215.7760, -40.7120, -11.0800

# Conversions

## Conversions Part 2

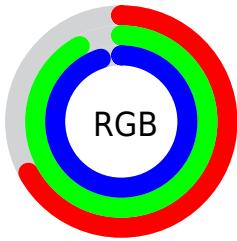
Format	Color
R <sub>Y</sub> B	170, 204, 242
Decimal	11201266
CIE Lab	88.83, -18.19, -10.35
CIE LCh	89, 20.931, 209.626
Yxy	73.8025, 0.2687, 0.3198
Android (android.graphics.Color)	4289391346 (0xFFAAEAF2)
YUV	215.7760, 12.9284, -40.1456
Hunter-Lab	85.9084, -21.4960, -5.4044

# Details

The Yxy color **73.8025, 0.2687, 0.3198** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.5596, 0.3770, 0.3379**, and the grayscale version is **68.4291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **39.0308, 0.2586, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **69.8444, 0.2559, 0.3163**, and if you desaturate by 10%, it is **78.2857, 0.2827, 0.3231**.

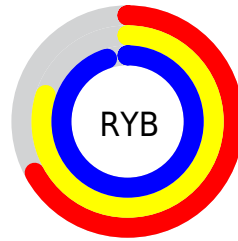
# Distribution



Red (67%)

Green (92%)

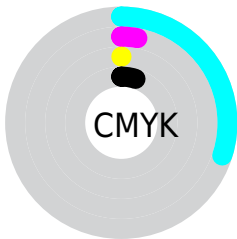
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

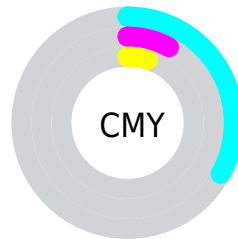


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (8%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8025, 0.2687, 0.3198 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 73.8025, 0.2687, 0.3198 by changing the saturation by 10% instead.





 73.8025, 0.2687,  
0.3198

 73.8025, 0.2687,  
0.3198


473.7915, 0.2887,  
0.3244

 54.6324, 0.2642,  
0.3187

 124.6158, 0.2756,  
0.3215

 39.1075, 0.2587,  
0.3172


157.0278, 0.2783,  
0.3221

 26.8434, 0.2518,  
0.3154

194.6225, 0.2806,  
0.3226

 17.4556, 0.2429,  
0.3128

237.7844, 0.2826,  
0.3231

 10.5599, 0.2311,  
0.3092

286.8979, 0.2844,  
0.3235

 5.7717, 0.2145,  
0.3036

342.3473, 0.2860,

 2.7068, 0.1898,

0.3238

0.2942

404.5170, 0.2874,  
0.3241

0.9806, 0.1381,  
0.2794

0.0000, 0.0000,  
0.0000

73.8025, 0.2687,  
0.3198

73.8025, 0.2687,  
0.3198

69.8444, 0.2559,  
0.3163

78.2857, 0.2827,  
0.3231

66.3751, 0.2445,  
0.3126


83.3104, 0.2976,  
0.3262


63.3675, 0.2348,  
0.3088

88.9031, 0.3131,  
0.3291

60.7883, 0.2270,  
0.3049


92.7986, 0.3211,  
0.3317

 58.5993, 0.2212,  
0.3010


 94.4239, 0.3209,  
0.3342


 56.7549, 0.2172,  
0.2971

 96.0727, 0.3207,  
0.3368

 55.1809, 0.2149,  
0.2934

 97.7450, 0.3205,  
0.3393

 55.1481, 0.2148,  
0.2933

 99.1896, 0.3203,  
0.3415

# Harmonies

## Analogous

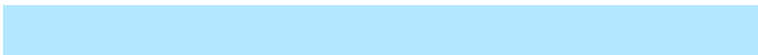
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8025, 0.2832, 0.3436



73.8025, 0.2687, 0.3198



73.8025, 0.2655, 0.2999

# Triad

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



73.8025, 0.2687, 0.3198



73.8025, 0.3181, 0.2976



73.8025, 0.3518, 0.3698

# Complementary

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



73.8025, 0.2687, 0.3198



53.5596, 0.3770, 0.3379

# 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.



73.8025, 0.3622, 0.3555



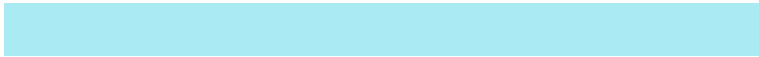
73.8025, 0.2687, 0.3198



73.8025, 0.3424, 0.3145

# Square

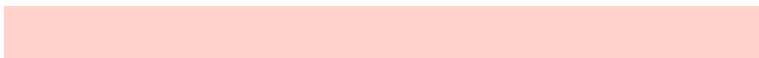
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8025, 0.2687, 0.3198



73.8025, 0.2932, 0.2883



73.8025, 0.3588, 0.3353

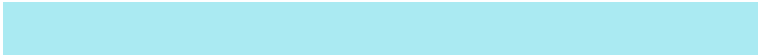


73.8025, 0.3310, 0.3733

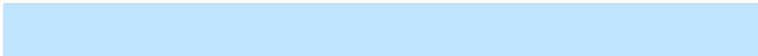


# Rectangle

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



73.8025, 0.2687, 0.3198



73.8025, 0.2701, 0.2914



73.8025, 0.3588, 0.3353



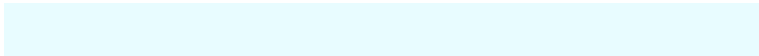
73.8025, 0.3567, 0.3660

# Sweetspot

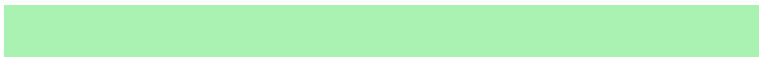
The Sweet Spot groups the original color and five complimentary colors.



73.8055, 0.2687, 0.3198



94.2985, 0.2988, 0.3264



75.2075, 0.3046, 0.4073



19.9971, 0.2965, 0.3260



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.



73.8055, 0.2687, 0.3198



80.2520, 0.2604, 0.3176



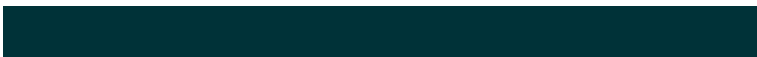
55.6719, 0.2640, 0.2776



17.6135, 0.2981, 0.3263



29.7570, 0.2150, 0.2939



2.5598, 0.2164, 0.2989



# Inverse Universe

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



53.5312, 0.3225, 0.2623



54.1099, 0.3250, 0.2483



69.4376, 0.3660, 0.3754



15.9996, 0.3155, 0.3083



12.7973, 0.3508, 0.1706

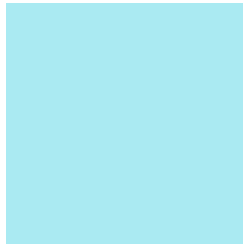


1.0731, 0.3464, 0.1682



# Previews

## White Background



This preview shows how the Yxy color 73.8025, 0.2687, 0.3198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

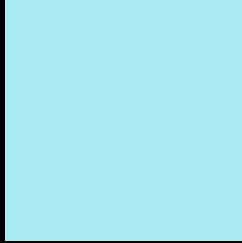
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8025, 0.2687, 0.3198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

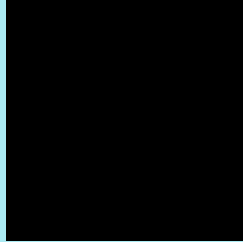
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8025, 0.2687, 0.3198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8025, 0.2687, 0.3198.

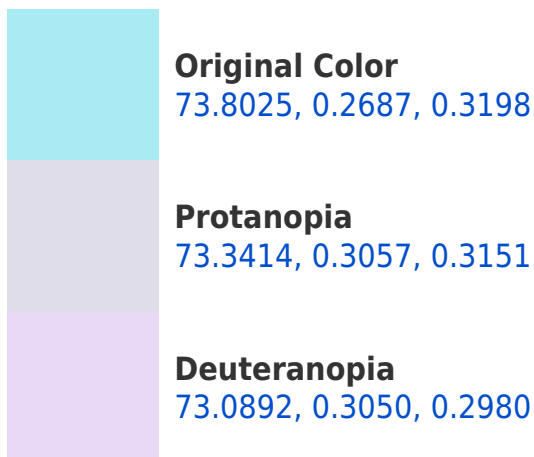


This preview shows how white text looks on a background with the Yxy color 73.8025, 0.2687, 0.3198.

# 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

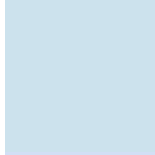
74.0135, 0.2651, 0.3087

# Trichromacy



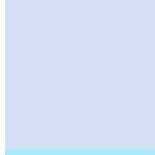
## Original Color

73.8025, 0.2687, 0.3198



## Protanomaly

73.3445, 0.2911, 0.3169



## Deuteranomaly

73.0696, 0.2902, 0.3053



## Tritanomaly

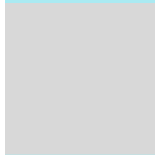
73.7131, 0.2661, 0.3119

# Monochromacy



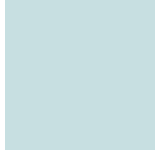
## Original Color

73.8025, 0.2687, 0.3198



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.3537, 0.2950, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8025, 0.2687, 0.3198 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(170, 234, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 234, 242)  
}
```

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(170, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 234, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8025, 0.2687, 0.3198 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(170, 234, 242) }
```

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

```
.border{ border-color:rgb(170, 234, 242) }
```

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

Here you see how a box with a 4 pixel rgb(170, 234, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 234, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 234, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 234,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8025, 0.2687, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 234, 242) }
```

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

```
.background{ background-color: rgb(170,  
234, 242) }
```

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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