

# Converting Colors

$Yxy(73.4378, 0.2683, 0.3187)$

Have a look what the booklet for  
Yxy(73.4378, 0.2683, 0.3187)  
contains.

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# Color

**Yxy(73.2347, 0.2686, 0.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE9F2
RGB	170, 233, 242
RGB Percent	67%, 91%, 95%
CMY	0.3334, 0.0862, 0.0510
CMYK	0.30, 0.04, 0.00, 0.05
HSL	187°, 73%, 81%
HSV	187°, 30%, 95%
XYZ	61.7415, 73.2347, 94.8879
YIQ	215.1890, -40.4370, -10.5570

# Conversions

## Conversions Part 2

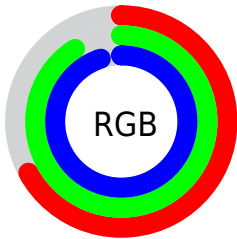
Format	Color
<b>RYB</b>	170, 204, 242
Decimal	11201010
CIELab	88.56, -17.66, -10.76
CIELCh	89, 20.679, 211.355
Yxy	73.2347, 0.2686, 0.3186
Android (android.graphics.Color)	4289391090 (0xFFAAE9F2)
YUV	215.1890, 13.2178, -39.6308
Hunter-Lab	85.5773, -20.9777, -5.8365

# Details

The Yxy color **73.2347, 0.2686, 0.3186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.0144, 0.3766, 0.3391**, and the grayscale version is **68.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.6343, 0.2583, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **69.0871, 0.2556, 0.3146**, and if you desaturate by 10%, it is **77.9139, 0.2827, 0.3224**.

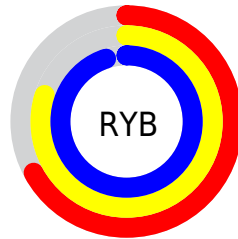
# Distribution



Red (67%)

Green (91%)

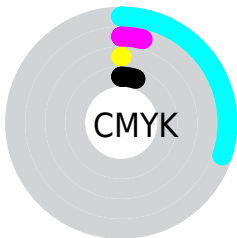
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

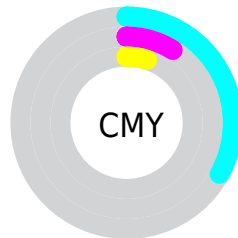


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (9%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2347, 0.2686, 0.3186 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 73.2347, 0.2686, 0.3186 by changing the saturation by 10% instead.



73.2347, 0.2686,  
0.3186

73.2347, 0.2686,  
0.3186

471.8278, 0.2887,  
0.3238

54.1679, 0.2641,  
0.3173

123.8103, 0.2755,  
0.3205

38.7359, 0.2586,  
0.3158

156.0880, 0.2782,  
0.3212

26.5543, 0.2516,  
0.3137

193.5380, 0.2805,  
0.3218

17.2388, 0.2427,  
0.3109

236.5448, 0.2826,  
0.3223

10.4049, 0.2308,  
0.3069

285.4928, 0.2844,  
0.3227

5.6682, 0.2140,  
0.3007

340.7664, 0.2860,

2.6444, 0.1891,

0.3231

402.7499, 0.2874,  
0.3235

0.2905

0.9490, 0.1358,  
0.2745

0.0000, 0.0000,  
0.0000

73.2347, 0.2686,  
0.3186

73.2347, 0.2686,  
0.3186

69.0871, 0.2556,  
0.3146

77.9139, 0.2827,  
0.3224

65.4350, 0.2441,  
0.3104

83.1411, 0.2976,  
0.3259

62.2511, 0.2342,  
0.3061

88.9431, 0.3131,  
0.3291

59.5020, 0.2262,  
0.3016

93.0368, 0.3210,  
0.3320

■ 57.1494, 0.2202,  
0.2972

■ 94.8822, 0.3208,  
0.3349

■ 55.1479, 0.2160,  
0.2928

■ 96.7576, 0.3206,  
0.3378

■ 53.4233, 0.2135,  
0.2885

■ 98.6632, 0.3203,  
0.3407

■ 53.3830, 0.2134,  
0.2884

■ 99.1910, 0.3203,  
0.3415

# Harmonies

## Analogous

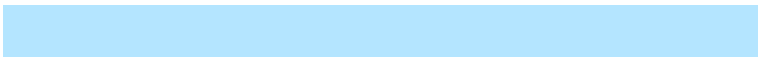
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2347, 0.2824, 0.3421



73.2347, 0.2686, 0.3186



73.2347, 0.2661, 0.2993

# Triad

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



73.2347, 0.2686, 0.3186



73.2347, 0.3195, 0.2986



73.2347, 0.3505, 0.3700

# Complementary

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



73.2347, 0.2686, 0.3186



54.0144, 0.3766, 0.3391

# 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.



73.2347, 0.3615, 0.3563



73.2347, 0.2686, 0.3186



73.2347, 0.3433, 0.3157

# Square

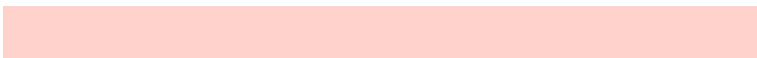
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2347, 0.2686, 0.3186



73.2347, 0.2947, 0.2889



73.2347, 0.3589, 0.3365



73.2347, 0.3295, 0.3727

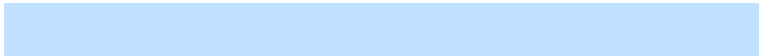


# Rectangle

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



73.2347, 0.2686, 0.3186



73.2347, 0.2711, 0.2912



73.2347, 0.3589, 0.3365



73.2347, 0.3555, 0.3664

# Sweetspot

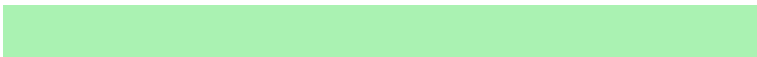
The Sweet Spot groups the original color and five complimentary colors.



73.2376, 0.2686, 0.3186



94.0884, 0.2988, 0.3261



75.2815, 0.3040, 0.4057



19.9450, 0.2965, 0.3256



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.



73.2376, 0.2686, 0.3186



79.4472, 0.2602, 0.3161



55.1590, 0.2639, 0.2762



17.5722, 0.2981, 0.3260



28.8158, 0.2136, 0.2891



2.4908, 0.2152, 0.2948



# Inverse Universe

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



53.5069, 0.3234, 0.2634



54.0287, 0.3261, 0.2495



70.0748, 0.3656, 0.3766



15.9954, 0.3157, 0.3086



12.7023, 0.3552, 0.1730

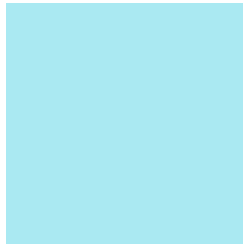


1.0662, 0.3500, 0.1702



# Previews

## White Background



This preview shows how the Yxy color 73.2347, 0.2686, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

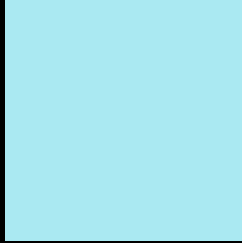
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2347, 0.2686, 0.3186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

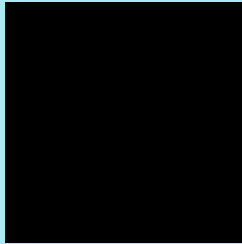
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2347, 0.2686, 0.3186**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2347, 0.2686, 0.3186.

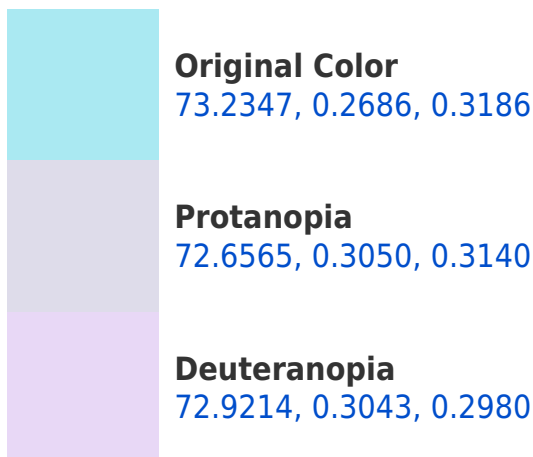


This preview shows how white text looks on a background with the Yxy color 73.2347, 0.2686, 0.3186.

# 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

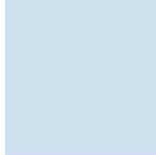
73.3860, 0.2655, 0.3086

# Trichromacy



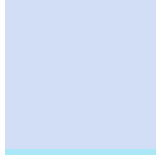
## Original Color

73.2347, 0.2686, 0.3186



## Protanomaly

72.6614, 0.2905, 0.3157



## Deuteranomaly

72.3904, 0.2895, 0.3041



## Tritanomaly

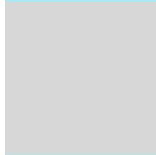
73.0866, 0.2665, 0.3119

# Monochromacy



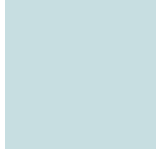
## Original Color

73.2347, 0.2686, 0.3186



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.8209, 0.2950, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2347, 0.2686, 0.3186 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, 233, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 233, 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, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 233, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2347, 0.2686, 0.3186 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, 233, 242) }
```

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

```
.border{ border-color:rgb(170, 233, 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, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 233, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 233, 242); box-shadow:4px 4px 4px 4px rgb(170, 233, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2347, 0.2686, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 233, 242) }
```

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

```
.background{ background-color: rgb(170,  
233, 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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