

# Converting Colors

$Yxy(75.6118, 0.2805, 0.3290)$

Have a look what the booklet for  
Yxy(75.6118, 0.2805, 0.3290)  
contains.

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# Color

**Yxy(75.6052, 0.2805, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EBEB
RGB	184, 235, 235
RGB Percent	72%, 92%, 92%
CMY	0.2782, 0.0785, 0.0784
CMYK	0.22, 0.00, 0.00, 0.08
HSL	180°, 56%, 82%
HSV	180°, 22%, 92%
XYZ	64.4794, 75.6052, 89.7884
YIQ	219.7510, -30.3960, -10.8120

# Conversions

## Conversions Part 2

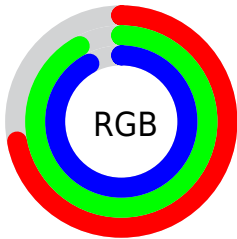
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 210, 235
Decimal	12119019
CIELab	89.68, -16.16, -5.35
CIELCh	90, 17.025, 198.317
Yxy	75.6052, 0.2805, 0.3289
Android (android.graphics.Color)	4290309099 (0xFFB8EBEB)
YUV	219.7510, 7.5178, -31.3536
Hunter-Lab	86.9513, -19.7967, -0.3587

# Details

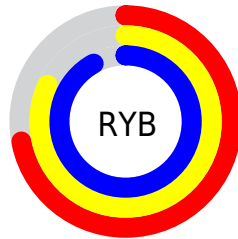
The Yxy color **75.6052, 0.2805, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.4287, 0.3567, 0.3291**, and the grayscale version is **71.3583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **40.2407, 0.2735, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **72.9415, 0.2674, 0.3289**, and if you desaturate by 10%, it is **78.7572, 0.2948, 0.3289**.

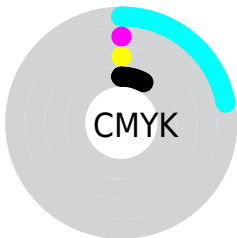
# Distribution



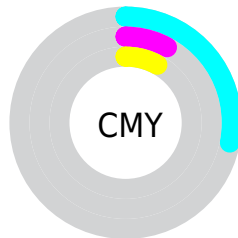
- Red (72%)
- Green (92%)
- Blue (92%)



- Red (72%)
- Yellow (82%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (28%)
- Magenta (8%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6052, 0.2805, 0.3289 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 75.6052, 0.2805, 0.3289 by changing the saturation by 10% instead.




 75.6052, 0.2805,  
0.3289

 75.6052, 0.2805,  
0.3289

479.9951, 0.2952,  
0.3291

 56.1088, 0.2772,  
0.3288


 127.1687, 0.2856,  
0.3290

 40.2902, 0.2731,  
0.3287


160.0046, 0.2875,  
0.3290

 27.7649, 0.2681,  
0.3285


198.0558, 0.2892,  
0.3291

 18.1485, 0.2615,  
0.3282

241.7067, 0.2907,  
0.3291

 11.0566, 0.2526,  
0.3276

291.3417, 0.2920,  
0.3291

 6.1050, 0.2401,  
0.3267

347.3452, 0.2932,

 2.9090, 0.2212,

0.3291

410.1015, 0.2942,  
0.3291

0.3247

1.0844, 0.1850,  
0.3217

0.0000, 0.0000,  
0.0000

75.6052, 0.2805,  
0.3289

75.6052, 0.2805,  
0.3289

72.9415, 0.2674,  
0.3289

78.7572, 0.2948,  
0.3289

70.7330, 0.2558,  
0.3288


82.4103, 0.3101,  
0.3290

68.9570, 0.2460,  
0.3288


86.5885, 0.3260,  
0.3290

67.5852, 0.2380,  
0.3288


86.6739, 0.3263,  
0.3290

 66.5858, 0.2320,  
0.3288


 86.6745, 0.3263,  
0.3290


 65.9223, 0.2279,  
0.3287

 86.6752, 0.3263,  
0.3290

 65.5510, 0.2256,  
0.3287

 86.6758, 0.3263,  
0.3290

 65.4064, 0.2247,  
0.3287

 86.6764, 0.3263,  
0.3290

 86.6771, 0.3263,  
0.3290

# Harmonies

## Analogous

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



75.6052, 0.2953, 0.3475



75.6052, 0.2805, 0.3289



75.6052, 0.2742, 0.3111

# Triad

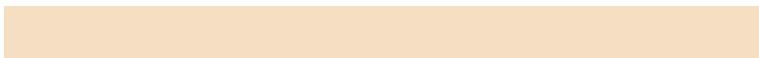
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6052, 0.2805, 0.3289



75.6052, 0.3094, 0.2997



75.6052, 0.3486, 0.3586

# Complementary

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



75.6052, 0.2805, 0.3289



55.4287, 0.3567, 0.3291

# 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.



75.6052, 0.3529, 0.3449



75.6052, 0.2805, 0.3289



75.6052, 0.3298, 0.3115

# Square

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



75.6052, 0.2805, 0.3289



75.6052, 0.2904, 0.2950



75.6052, 0.3459, 0.3278



75.6052, 0.3346, 0.3648

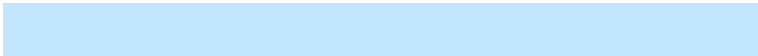


# Rectangle

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



75.6052, 0.2805, 0.3289



75.6052, 0.2755, 0.3022



75.6052, 0.3459, 0.3278



75.6052, 0.3513, 0.3547

# Sweetspot

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



75.6083, 0.2805, 0.3289



96.7698, 0.3018, 0.3290



73.0746, 0.3099, 0.3894



20.6562, 0.3009, 0.3290



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.



75.6083, 0.2805, 0.3289



89.5185, 0.2745, 0.3289



62.0539, 0.2784, 0.2994



17.1218, 0.2981, 0.3290



36.4029, 0.2247, 0.3287



2.8585, 0.2247, 0.3287



# Inverse Universe

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



57.9626, 0.3152, 0.2752



64.7461, 0.3158, 0.2641



66.9835, 0.3509, 0.3569



15.3138, 0.3138, 0.3058



13.1677, 0.3209, 0.1542

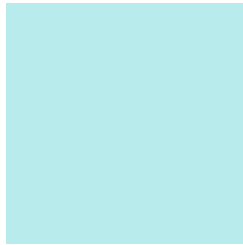


1.0340, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 75.6052, 0.2805, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

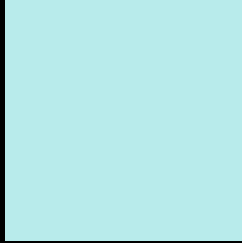
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6052, 0.2805, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

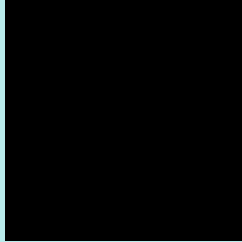
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6052, 0.2805, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6052, 0.2805, 0.3289.

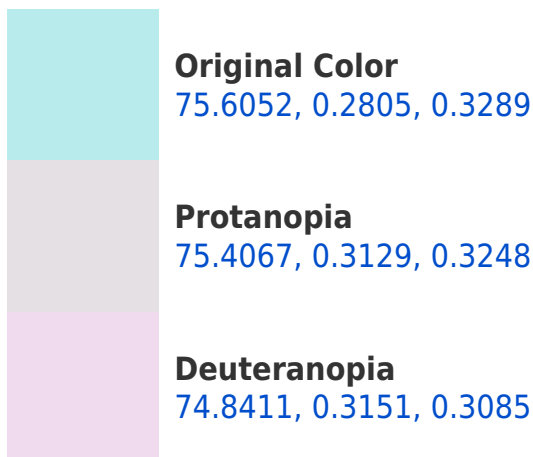


This preview shows how white text looks on a background with the Yxy color 75.6052, 0.2805, 0.3289.

# 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

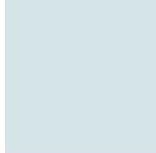
75.8077, 0.2734, 0.3091

# Trichromacy



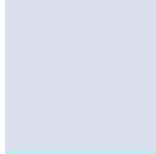
## Original Color

75.6052, 0.2805, 0.3289



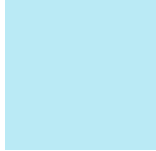
## Protanomaly

75.2534, 0.3000, 0.3257



## Deuteranomaly

74.6414, 0.3017, 0.3151



## Tritanomaly

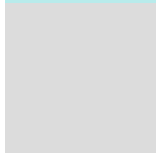
75.8773, 0.2761, 0.3167

# Monochromacy



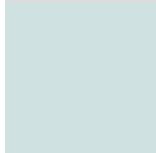
## Original Color

75.6052, 0.2805, 0.3289



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

72.5521, 0.3004, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6052, 0.2805, 0.3289 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(184, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(184, 235, 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(184, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 235, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6052, 0.2805, 0.3289 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(184, 235, 235) }
```

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

```
.border{ border-color:rgb(184, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(184, 235,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6052, 0.2805, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 235, 235) }
```

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

```
.background{ background-color: rgb(184,  
235, 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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