

# Converting Colors

$Yxy(75.5218, 0.2893, 0.3561)$

Have a look what the booklet for  
Yxy(75.5218, 0.2893, 0.3561)  
contains.

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# Color

**Yxy(75.5878, 0.2893, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3EED6
RGB	179, 238, 214
RGB Percent	70%, 93%, 84%
CMY	0.2983, 0.0666, 0.1608
CMYK	0.25, 0.00, 0.10, 0.07
HSL	156°, 64%, 82%
HSV	156°, 25%, 93%
XYZ	61.2880, 75.5878, 74.9734
YIQ	217.6230, -27.4600, -19.9720

# Conversions

## Conversions Part 2

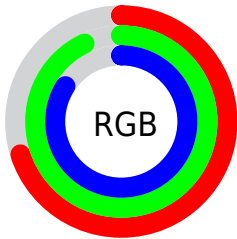
Format	Color
<a href="#">RYB</a>	<a href="#">179, 216, 238</a>
Decimal	<a href="#">11792086</a>
CIELab	<a href="#">89.67, -23.50, 5.58</a>
CIELCh	<a href="#">90, 24.151, 166.649</a>
Yxy	<a href="#">75.5878, 0.2893, 0.3568</a>
Android (android.graphics.Color)	<a href="#">4289982166</a> ( <a href="#">0xFFB3EED6</a> )
YUV	<a href="#">217.6230, -1.7861, -33.8724</a>
Hunter-Lab	<a href="#">86.9412, -26.3162, 9.7304</a>

# Details

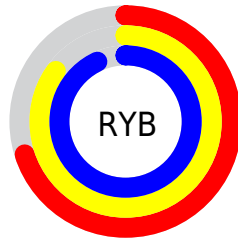
The Yxy color **75.5878, 0.2893, 0.3568** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.6989, 0.3441, 0.3029**, and the grayscale version is **69.8557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **40.3191, 0.2841, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **72.5171, 0.2809, 0.3700**, and if you desaturate by 10%, it is **79.1835, 0.2984, 0.3447**.

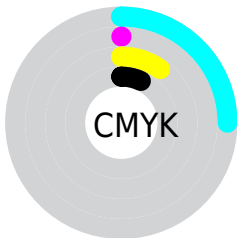
# Distribution



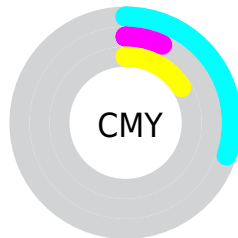
- Red (70%)
- Green (93%)
- Blue (84%)



- Red (70%)
- Yellow (85%)
- Blue (93%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (30%)
- Magenta (7%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5878, 0.2893, 0.3568 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 75.5878, 0.2893, 0.3568 by changing the saturation by 10% instead.




 75.5878, 0.2893,  
0.3568

 75.5878, 0.2893,  
0.3568

479.9355, 0.3002,  
0.3438

 56.0946, 0.2868,  
0.3598


 127.1441, 0.2931,  
0.3522

 40.2788, 0.2837,  
0.3636


159.9759, 0.2946,  
0.3505

 27.7560, 0.2798,  
0.3684


198.0227, 0.2958,  
0.3490

 18.1418, 0.2746,  
0.3747

241.6689, 0.2969,  
0.3477

 11.0518, 0.2676,  
0.3835

291.2989, 0.2979,  
0.3465

 6.1017, 0.2573,  
0.3964


347.2971, 0.2987,


 2.9070, 0.2411,


0.3455

0.4173


410.0478, 0.2995,  
0.3446


 1.0834, 0.1927,  
0.4705

 0.0000, 0.0000,  
0.0000


 75.5878, 0.2893,  
0.3568


 75.5878, 0.2893,  
0.3568


 72.5171, 0.2809,  
0.3700


 79.1835, 0.2984,  
0.3447


 69.9364, 0.2736,  
0.3842

 83.3188, 0.3080,  
0.3339

 67.8209, 0.2676,  
0.3993

 88.0190, 0.3178,  
0.3241

 66.1399, 0.2634,  
0.4150

 89.4946, 0.3149,  
0.3149

■ 64.8586, 0.2611,  
0.4310

■ 89.6418, 0.3135,  
0.3127

■ 63.9369, 0.2608,  
0.4470

■ 63.3256, 0.2626,  
0.4626

■ 63.0925, 0.2640,  
0.4704

# Harmonies

## Analogous

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



75.5878, 0.3173, 0.3756



75.5878, 0.2893, 0.3568



75.5878, 0.2682, 0.3300

# Triad

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



75.5878, 0.2893, 0.3568



75.5878, 0.2799, 0.2814



75.5878, 0.3698, 0.3495

# Complementary

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



75.5878, 0.2893, 0.3568



54.6989, 0.3441, 0.3029

# 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.



75.5878, 0.3590, 0.3255



75.5878, 0.2893, 0.3568



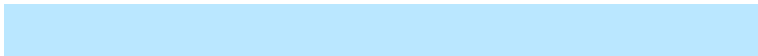
75.5878, 0.3061, 0.2875

# Square

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



75.5878, 0.2893, 0.3568



75.5878, 0.2630, 0.2871



75.5878, 0.3352, 0.3033



75.5878, 0.3644, 0.3696



# Rectangle

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



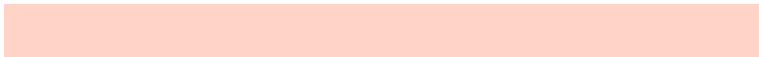
75.5878, 0.2893, 0.3568



75.5878, 0.2605, 0.3123



75.5878, 0.3352, 0.3033



75.5878, 0.3679, 0.3416

# Sweetspot

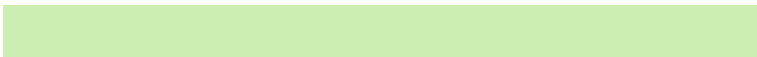
The Sweet Spot groups the original color and five complimentary colors.



75.5909, 0.2893, 0.3568



96.3117, 0.3059, 0.3361



77.1867, 0.3259, 0.3962



20.5499, 0.3053, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

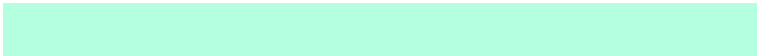


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5909, 0.2893, 0.3568



86.4206, 0.2848, 0.3636



74.0813, 0.2757, 0.3233



17.8139, 0.3035, 0.3388



35.2183, 0.2634, 0.4681



2.9495, 0.2577, 0.4477



# Inverse Universe

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



54.6989, 0.3441, 0.3029



57.9334, 0.3530, 0.2970



55.6496, 0.3638, 0.3346



15.8654, 0.3229, 0.3194



10.6441, 0.5350, 0.2721

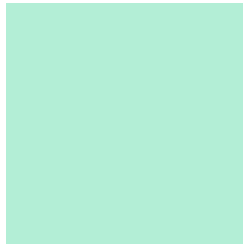


0.9047, 0.5005, 0.2531



# Previews

## White Background



This preview shows how the Yxy color 75.5878, 0.2893, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

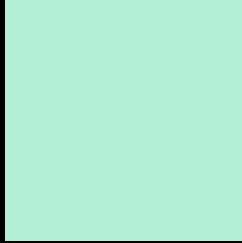
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5878, 0.2893, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

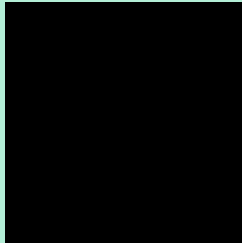
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

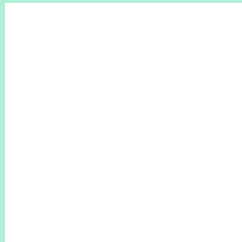
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.5878, 0.2893, 0.3568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5878, 0.2893, 0.3568.

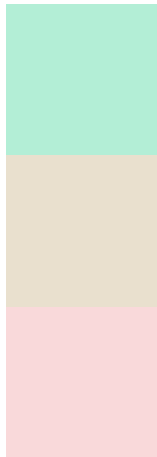


This preview shows how white text looks on a background with the Yxy color 75.5878, 0.2893, 0.3568.

# 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



### Original Color

75.5878, 0.2893, 0.3568

### Protanopia

75.0912, 0.3311, 0.3483

### Deuteranopia

74.8274, 0.3355, 0.3280



## Tritanopia

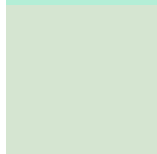
75.6820, 0.2728, 0.3091

# Trichromacy



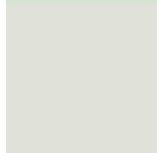
## Original Color

75.5878, 0.2893, 0.3568



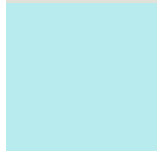
## Protanomaly

74.7882, 0.3144, 0.3511



## Deuteranomaly

74.7075, 0.3172, 0.3376



## Tritanomaly

75.6570, 0.2783, 0.3255

# Monochromacy



## Original Color

75.5878, 0.2893, 0.3568



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.6976, 0.3033, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5878, 0.2893, 0.3568 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, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(179, 238, 214)  
}
```

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, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 238, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5878, 0.2893, 0.3568 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, 238, 214) }
```

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

```
.border{ border-color:rgb(179, 238, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 238, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(179, 238,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5878, 0.2893, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 238, 214) }
```

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

```
.background{ background-color: rgb(179,  
238, 214) }
```

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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