

# Converting Colors

$Yxy(72.6370, 0.2840, 0.3402)$

Have a look what the booklet for  
Yxy(72.6370, 0.2840, 0.3402)  
contains.

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# Color

**Yxy(72.5709, 0.2845, 0.3405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E8DE
RGB	179, 232, 222
RGB Percent	70%, 91%, 87%
CMY	0.2980, 0.0902, 0.1294
CMYK	0.23, 0.00, 0.04, 0.09
HSL	169°, 54%, 81%
HSV	169°, 23%, 91%
XYZ	60.6356, 72.5709, 79.9239
YIQ	215.0130, -28.3780, -14.3460

# Conversions

## Conversions Part 2

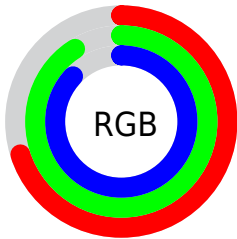
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 208, 232
Decimal	11790558
CIELab	88.24, -18.89, -0.68
CIELCh	88, 18.907, 182.075
Yxy	72.5709, 0.2845, 0.3405
Android (android.graphics.Color)	4289980638 (0xFFB3E8DE)
YUV	215.0130, 3.4446, -31.5834
Hunter-Lab	85.1886, -22.0271, 4.0061

# Details

The Yxy color **72.5709, 0.2845, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.0786, 0.3509, 0.3179**, and the grayscale version is **67.9593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **38.2007, 0.2777, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **69.8062, 0.2735, 0.3463**, and if you desaturate by 10%, it is **75.8128, 0.2964, 0.3352**.

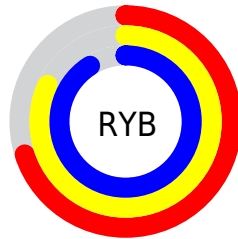
# Distribution



Red (70%)

Green (91%)

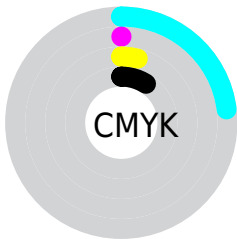
Blue (87%)



Red (70%)

Yellow (82%)

Blue (91%)

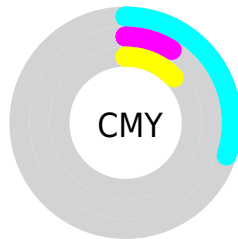


Cyan (23%)

Magenta (0%)

Yellow (4%)

Black (9%)



Cyan (30%)

Magenta (9%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5709, 0.2845, 0.3405 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 72.5709, 0.2845, 0.3405 by changing the saturation by 10% instead.





 72.5709, 0.2845,  
0.3405

 72.5709, 0.2845,  
0.3405


469.5263, 0.2975,  
0.3352

 53.6252, 0.2815,  
0.3417


 122.8679, 0.2890,  
0.3387

 38.3021, 0.2779,  
0.3432

154.9879, 0.2908,  
0.3380

 26.2172, 0.2732,  
0.3450


192.2681, 0.2923,  
0.3374

 16.9862, 0.2672,  
0.3475

235.0929, 0.2936,  
0.3368

 10.2247, 0.2589,  
0.3507

283.8468, 0.2948,  
0.3363

 5.5482, 0.2470,  
0.3554

338.9140, 0.2958,

 2.5723, 0.2285,

0.3359

0.3627

400.6790, 0.2967,  
0.3356

0.9128, 0.1719,  
0.3864

0.0000, 0.0000,  
0.0000

72.5709, 0.2845,  
0.3405

72.5709, 0.2845,  
0.3405

69.8062, 0.2735,  
0.3463

75.8128, 0.2964,  
0.3352

67.4863, 0.2638,  
0.3524

79.5445, 0.3091,  
0.3303

65.5890, 0.2556,  
0.3589

83.7893, 0.3221,  
0.3259


64.0863, 0.2492,  
0.3656


85.2356, 0.3236,  
0.3217

 62.9471, 0.2447,  
0.3725


 85.4981, 0.3208,  
0.3174


 62.1354, 0.2422,  
0.3794

 85.7669, 0.3180,  
0.3132

 61.6075, 0.2415,  
0.3862

 86.0421, 0.3152,  
0.3090

 61.3549, 0.2420,  
0.3911

 86.1934, 0.3138,  
0.3068

# Harmonies

## Analogous

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



72.5709, 0.3047, 0.3592



72.5709, 0.2845, 0.3405



72.5709, 0.2720, 0.3191

# Triad

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



72.5709, 0.2845, 0.3405



72.5709, 0.2968, 0.2922



72.5709, 0.3573, 0.3546

# Complementary

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



72.5709, 0.2845, 0.3405



53.0786, 0.3509, 0.3179

# 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.



72.5709, 0.3552, 0.3365



72.5709, 0.2845, 0.3405



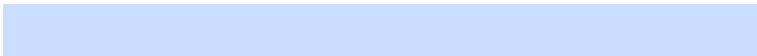
72.5709, 0.3196, 0.3014

# Square

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



72.5709, 0.2845, 0.3405



72.5709, 0.2788, 0.2920



72.5709, 0.3412, 0.3173



72.5709, 0.3470, 0.3668

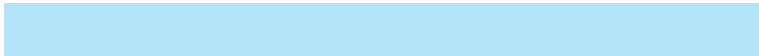


# Rectangle

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



72.5709, 0.2845, 0.3405



72.5709, 0.2694, 0.3066



72.5709, 0.3412, 0.3173



72.5709, 0.3581, 0.3489

# Sweetspot

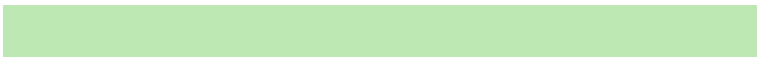
The Sweet Spot groups the original color and five complimentary colors.



72.5739, 0.2845, 0.3405



96.5554, 0.3037, 0.3323



71.8667, 0.3169, 0.3917



20.6064, 0.3029, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

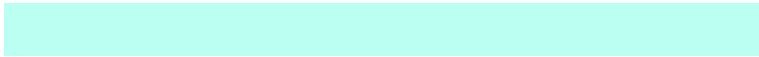


# Same Dimension

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



72.5739, 0.2845, 0.3405



88.3896, 0.2796, 0.3429



64.5784, 0.2775, 0.3103



16.2873, 0.3007, 0.3335



34.0794, 0.2417, 0.3900



2.5304, 0.2389, 0.3800



# Inverse Universe

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



53.0786, 0.3509, 0.3179



60.5708, 0.3604, 0.3157



59.4030, 0.3557, 0.3469



14.4122, 0.3263, 0.3246



9.6378, 0.6099, 0.3134

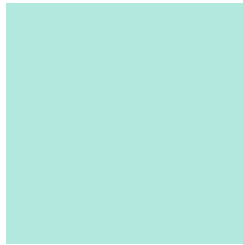


0.7249, 0.5708, 0.2918



# Previews

## White Background



This preview shows how the Yxy color 72.5709, 0.2845, 0.3405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

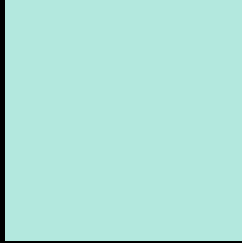
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5709, 0.2845, 0.3405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

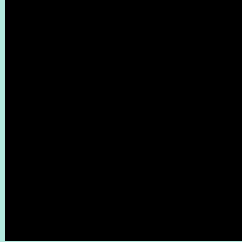
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

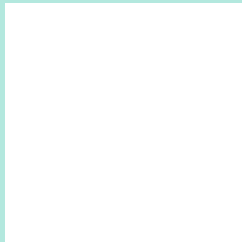
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.5709, 0.2845, 0.3405**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5709, 0.2845, 0.3405.

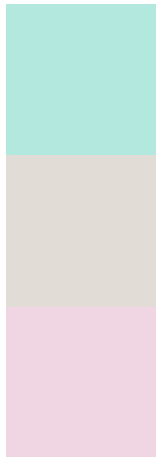


This preview shows how white text looks on a background with the Yxy color 72.5709, 0.2845, 0.3405.

# 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

72.5709, 0.2845, 0.3405

### Protanopia

72.2614, 0.3204, 0.3344

### Deuteranopia

72.1094, 0.3236, 0.3165



## Tritanopia

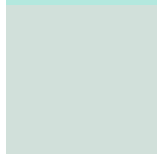
72.3926, 0.2733, 0.3077

# Trichromacy



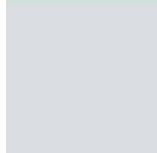
## Original Color

72.5709, 0.2845, 0.3405



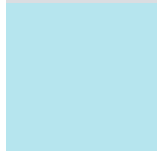
## Protanomaly

71.9286, 0.3062, 0.3357



## Deuteranomaly

72.0546, 0.3080, 0.3246



## Tritanomaly

72.1568, 0.2771, 0.3187

# Monochromacy



## Original Color

72.5709, 0.2845, 0.3405



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.3314, 0.3014, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5709, 0.2845, 0.3405 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, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 232, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5709, 0.2845, 0.3405 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, 232, 222) }
```

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

```
.border{ border-color:rgb(179, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 232, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 232, 222);  
box-shadow:4px 4px 4px 4px rgb(179, 232,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5709, 0.2845, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 232, 222) }
```

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

```
.background{ background-color: rgb(179,  
232, 222) }
```

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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