

# Converting Colors

$Yxy(70.3496, 0.2921, 0.3540)$

Have a look what the booklet for  
Yxy(70.3496, 0.2921, 0.3540)  
contains.

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# Color

**Yxy(70.1764, 0.2924, 0.3538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E5D0
RGB	179, 229, 208
RGB Percent	70%, 90%, 82%
CMY	0.2980, 0.1020, 0.1842
CMYK	0.22, 0.00, 0.09, 0.10
HSL	155°, 49%, 80%
HSV	155°, 22%, 90%
XYZ	57.9977, 70.1764, 70.1764
YIQ	211.6560, -23.0590, -17.1310

# Conversions

## Conversions Part 2

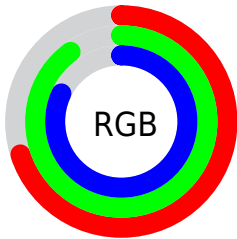
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 211, 229
Decimal	11789776
CIELab	87.08, -20.23, 4.97
CIELCh	87, 20.834, 166.196
Yxy	70.1764, 0.2924, 0.3538
Android (android.graphics.Color)	4289979856 (0xFFB3E5D0)
YUV	211.6560, -1.8024, -28.6393
Hunter-Lab	83.7714, -23.0184, 8.9719

# Details

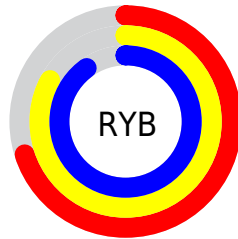
The Yxy color **70.1764, 0.2924, 0.3538** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0706, 0.3388, 0.3055**, and the grayscale version is **65.6248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.5802, 0.2869, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **67.2145, 0.2839, 0.3671**, and if you desaturate by 10%, it is **73.6259, 0.3015, 0.3417**.

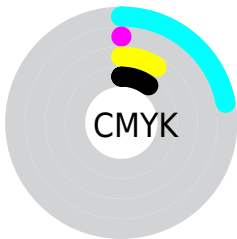
# Distribution



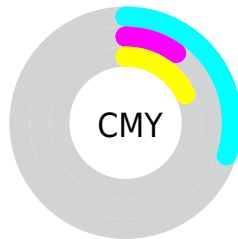
- Red (70%)
- Green (90%)
- Blue (82%)



- Red (70%)
- Yellow (83%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (30%)
- Magenta (10%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1764, 0.2924, 0.3538 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 70.1764, 0.2924, 0.3538 by changing the saturation by 10% instead.



 70.1764, 0.2924,  
0.3538

 70.1764, 0.2924,  
0.3538


461.1691, 0.3020,  
0.3420

 51.6704, 0.2902,  
0.3566


 119.4603, 0.2958,  
0.3497

 36.7424, 0.2874,  
0.3600


151.0069, 0.2970,  
0.3481

 25.0081, 0.2839,  
0.3645


187.6692, 0.2982,  
0.3467

 16.0831, 0.2792,  
0.3704

229.8315, 0.2991,  
0.3455

 9.5830, 0.2726,  
0.3787

277.8783, 0.3000,  
0.3445

 5.1233, 0.2630,  
0.3911

332.1939, 0.3007,

 2.3198, 0.2473,

0.3436

0.4117

393.1627, 0.3014,  
0.3428

0.7842, 0.1631,  
0.5086

0.0000, 0.0000,  
0.0000

70.1764, 0.2924,  
0.3538

70.1764, 0.2924,  
0.3538

67.2145, 0.2839,  
0.3671

73.6259, 0.3015,  
0.3417

64.7086, 0.2764,  
0.3814

77.5756, 0.3110,  
0.3309

62.6368, 0.2701,  
0.3968

82.0483, 0.3206,  
0.3212

60.9721, 0.2654,  
0.4128

83.9818, 0.3194,  
0.3120

■ 59.6839, 0.2626,  
0.4293

■ 84.5197, 0.3139,  
0.3039

■ 58.7374, 0.2618,  
0.4458

■ 58.0910, 0.2630,  
0.4620

■ 57.7305, 0.2652,  
0.4748

# Harmonies

## Analogous

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



70.1764, 0.3173, 0.3701



70.1764, 0.2924, 0.3538



70.1764, 0.2735, 0.3304

# Triad

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



70.1764, 0.2924, 0.3538



70.1764, 0.2834, 0.2867



70.1764, 0.3631, 0.3471

# Complementary

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



70.1764, 0.2924, 0.3538



53.0706, 0.3388, 0.3055

# 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.



70.1764, 0.3533, 0.3257



70.1764, 0.2924, 0.3538



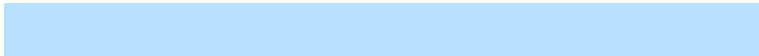
70.1764, 0.3065, 0.2919

# Square

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



70.1764, 0.2924, 0.3538



70.1764, 0.2684, 0.2921



70.1764, 0.3323, 0.3059



70.1764, 0.3586, 0.3649



# Rectangle

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



70.1764, 0.2924, 0.3538



70.1764, 0.2664, 0.3147



70.1764, 0.3323, 0.3059



70.1764, 0.3613, 0.3401

# Sweetspot

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



70.1793, 0.2924, 0.3538



96.2973, 0.3060, 0.3364



71.6666, 0.3249, 0.3871



20.5465, 0.3054, 0.3370



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

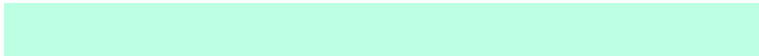


# Same Dimension

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



70.1793, 0.2924, 0.3538



87.8564, 0.2886, 0.3594



69.4545, 0.2801, 0.3250



16.2287, 0.3037, 0.3390



33.0314, 0.2646, 0.4724



2.4594, 0.2581, 0.4493



# Inverse Universe

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



53.0706, 0.3388, 0.3055



62.5111, 0.3455, 0.3006



53.5084, 0.3562, 0.3329



14.4678, 0.3227, 0.3192



10.0309, 0.5292, 0.2689

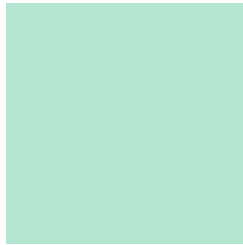


0.7595, 0.4916, 0.2482



# Previews

## White Background



This preview shows how the Yxy color 70.1764, 0.2924, 0.3538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

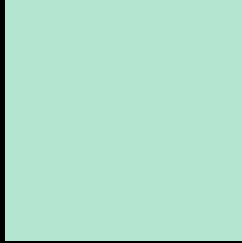
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1764, 0.2924, 0.3538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

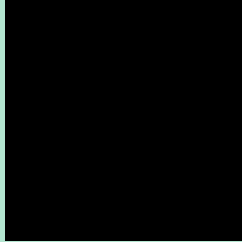
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

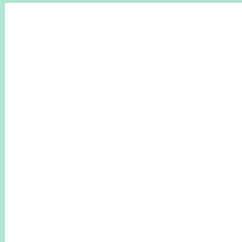
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1764, 0.2924, 0.3538**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1764, 0.2924, 0.3538.

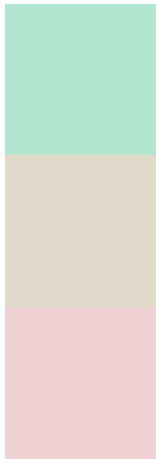


This preview shows how white text looks on a background with the Yxy color 70.1764, 0.2924, 0.3538.

# 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

70.1764, 0.2924, 0.3538

### Protanopia

69.8503, 0.3296, 0.3467

### Deuteranopia

69.5474, 0.3348, 0.3270



## Tritanopia

70.0364, 0.2762, 0.3086

# Trichromacy



**Original Color**

70.1764, 0.2924, 0.3538

**Protanomaly**

69.4824, 0.3147, 0.3483

**Deuteranomaly**

69.2343, 0.3175, 0.3357

**Tritanomaly**

70.1732, 0.2820, 0.3243

# Monochromacy



**Original Color**

70.1764, 0.2924, 0.3538

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.1253, 0.3045, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1764, 0.2924, 0.3538 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, 229, 208)` looks like.

```
.text, #text, p{  
    color:rgb(179, 229, 208)  
}
```

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, 229, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 229, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1764, 0.2924, 0.3538 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, 229, 208) }
```

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

```
.border{ border-color:rgb(179, 229, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 229, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 229, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 229, 208);  
box-shadow:4px 4px 4px 4px rgb(179, 229,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1764, 0.2924, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 229, 208) }
```

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

```
.background{ background-color: rgb(179,  
229, 208) }
```

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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