

# Converting Colors

$Yxy(64.9398, 0.2862, 0.3382)$

Have a look what the booklet for  
Yxy(64.9398, 0.2862, 0.3382)  
contains.

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# Color

**Yxy(64.9385, 0.2864, 0.3386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEDCD4
RGB	174, 220, 212
RGB Percent	68%, 86%, 83%
CMY	0.3177, 0.1372, 0.1687
CMYK	0.21, 0.00, 0.04, 0.14
HSL	170°, 40%, 77%
HSV	170°, 21%, 86%
XYZ	54.9273, 64.9385, 71.9195
YIQ	205.3340, -24.8480, -12.2400

# Conversions

## Conversions Part 2

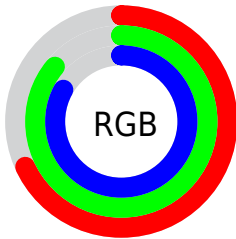
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 199, 220
Decimal	11459796
CIELab	84.45, -16.51, -0.98
CIELCh	84, 16.539, 183.412
Yxy	64.9385, 0.2864, 0.3386
Android (android.graphics.Color)	4289649876 (0xFFFAEDCD4)
YUV	205.3340, 3.2863, -27.4799
Hunter-Lab	80.5844, -19.3550, 3.4943

# Details

The Yxy color **64.9385, 0.2864, 0.3386** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8583, 0.3474, 0.3197**, and the grayscale version is **61.2630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **33.4095, 0.2806, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **62.4270, 0.2751, 0.3438**, and if you desaturate by 10%, it is **67.8738, 0.2986, 0.3338**.

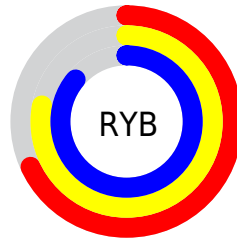
# Distribution



Red (68%)

Green (86%)

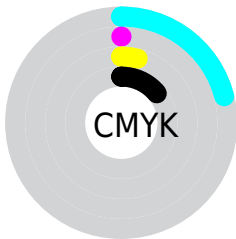
Blue (83%)



Red (68%)

Yellow (78%)

Blue (86%)

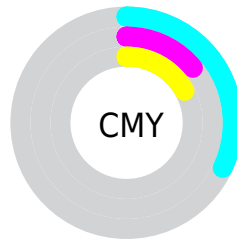


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (14%)



Cyan (32%)

Magenta (14%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9385, 0.2864, 0.3386 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 64.9385, 0.2864, 0.3386 by changing the saturation by 10% instead.



 64.9385, 0.2864,  
0.3386

 64.9385, 0.2864,  
0.3386


442.5709, 0.2988,  
0.3341

 47.4112, 0.2835,  
0.3396


 111.9614, 0.2907,  
0.3370

 33.3609, 0.2799,  
0.3409


142.2259, 0.2924,  
0.3364

 22.4030, 0.2753,  
0.3426


177.5048, 0.2939,  
0.3359

 14.1533, 0.2692,  
0.3447

218.1827, 0.2951,  
0.3355

 8.2274, 0.2608,  
0.3477

264.6438, 0.2962,  
0.3351

 4.2408, 0.2482,  
0.3520

317.2726, 0.2972,

 1.8092, 0.2279,

0.3347

376.4535, 0.2980,  
0.3344

0.3589

0.4929, 0.0562,  
0.4235

0.0000, 0.0000,  
0.0000

64.9385, 0.2864,  
0.3386

64.9385, 0.2864,  
0.3386

62.4270, 0.2751,  
0.3438

67.8738, 0.2986,  
0.3338

60.3112, 0.2650,  
0.3494


71.2436, 0.3115,  
0.3294

58.5717, 0.2563,  
0.3553

75.0682, 0.3247,  
0.3254


57.1848, 0.2494,  
0.3614


78.0160, 0.3330,  
0.3218

 56.1235, 0.2444,  
0.3677


 78.2304, 0.3304,  
0.3180


 55.3574, 0.2414,  
0.3740


 78.4496, 0.3277,  
0.3142

 54.8499, 0.2403,  
0.3802

 78.6736, 0.3251,  
0.3104

 54.5562, 0.2405,  
0.3859

 78.9023, 0.3225,  
0.3067

 79.1359, 0.3199,  
0.3030

# Harmonies

## Analogous

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



64.9385, 0.3046, 0.3557



64.9385, 0.2864, 0.3386



64.9385, 0.2753, 0.3193

# Triad

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



64.9385, 0.2864, 0.3386



64.9385, 0.2991, 0.2957



64.9385, 0.3530, 0.3530

# Complementary

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



64.9385, 0.2864, 0.3386



48.8583, 0.3474, 0.3197

# 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.



64.9385, 0.3516, 0.3367



64.9385, 0.2864, 0.3386



64.9385, 0.3199, 0.3043

# Square

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



64.9385, 0.2864, 0.3386



64.9385, 0.2825, 0.2952



64.9385, 0.3393, 0.3191



64.9385, 0.3433, 0.3636



# Rectangle

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



64.9385, 0.2864, 0.3386



64.9385, 0.2733, 0.3081



64.9385, 0.3393, 0.3191



64.9385, 0.3538, 0.3480

# Sweetspot

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



64.9412, 0.2864, 0.3386



97.0423, 0.3048, 0.3316



64.2432, 0.3160, 0.3858



20.7051, 0.3040, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

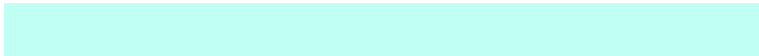


# Same Dimension

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



64.9412, 0.2864, 0.3386



89.1540, 0.2814, 0.3408



58.0345, 0.2805, 0.3112



14.7886, 0.3005, 0.3331



32.0297, 0.2403, 0.3849



2.0855, 0.2374, 0.3747



# Inverse Universe

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



48.8583, 0.3474, 0.3197



62.9119, 0.3566, 0.3176



54.4765, 0.3511, 0.3462



13.0884, 0.3264, 0.3249



9.0247, 0.6130, 0.3151

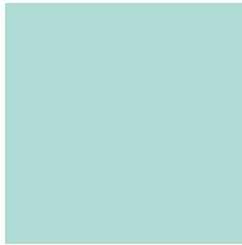


0.5960, 0.5701, 0.2914



# Previews

## White Background



This preview shows how the Yxy color 64.9385, 0.2864, 0.3386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

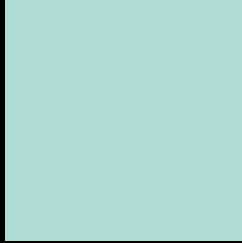
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9385, 0.2864, 0.3386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

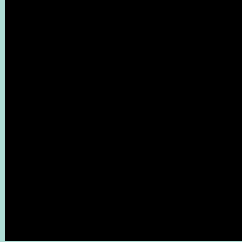
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

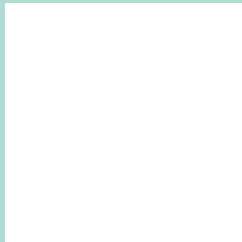
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9385, 0.2864, 0.3386**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9385, 0.2864, 0.3386.

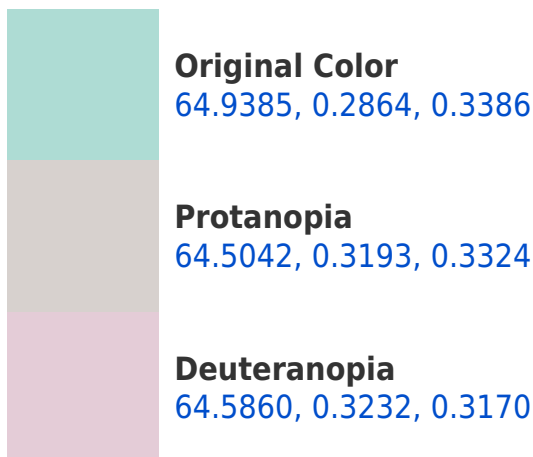


This preview shows how white text looks on a background with the Yxy color 64.9385, 0.2864, 0.3386.

# 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

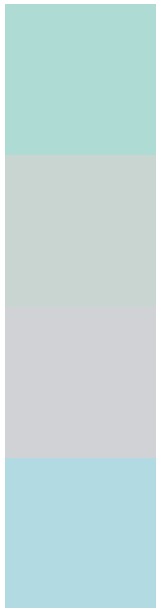




## Tritanopia

65.0312, 0.2758, 0.3091

# Trichromacy



**Original Color**

64.9385, 0.2864, 0.3386

**Protanomaly**

64.4219, 0.3066, 0.3348

**Deuteranomaly**

64.3581, 0.3085, 0.3244

**Tritanomaly**

64.9809, 0.2799, 0.3195

# Monochromacy



**Original Color**

64.9385, 0.2864, 0.3386

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.1166, 0.3023, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9385, 0.2864, 0.3386 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(174, 220, 212)` looks like.

```
.text, #text, p{  
    color:rgb(174, 220, 212)  
}
```

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(174, 220, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 220, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9385, 0.2864, 0.3386 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(174, 220, 212) }
```

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

```
.border{ border-color:rgb(174, 220, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 220, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 220, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 220, 212); box-shadow:4px 4px 4px 4px rgb(174, 220, 212) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9385, 0.2864, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 220, 212) }
```

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

```
.background{ background-color: rgb(174,  
220, 212) }
```

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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