

# Converting Colors

$Y_{xy}(57.2721, 0.2733, 0.3368)$

Have a look what the booklet for  
Yxy(57.2721, 0.2733, 0.3368)  
contains.

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# Color

**Yxy(57.2922, 0.2734, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D3CD
RGB	148, 211, 205
RGB Percent	58%, 83%, 80%
CMY	0.4197, 0.1725, 0.1962
CMYK	0.30, 0.00, 0.03, 0.17
HSL	174°, 42%, 70%
HSV	174°, 30%, 83%
XYZ	46.5212, 57.2922, 66.3446
YIQ	191.4790, -35.6220, -15.2220

# Conversions

## Conversions Part 2

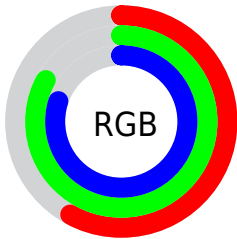
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 181, 211
Decimal	9753549
CIELab	80.34, -21.23, -3.45
CIELCh	80, 21.512, 189.217
Yxy	57.2922, 0.2734, 0.3367
Android (android.graphics.Color)	4287943629 (0xFF94D3CD)
YUV	191.4790, 6.6659, -38.1311
Hunter-Lab	75.6916, -22.7515, 1.0157

# Details

The Yxy color **57.2922, 0.2734, 0.3367** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3597, 0.3727, 0.3216**, and the grayscale version is **52.3674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **28.4442, 0.2635, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **55.4061, 0.2624, 0.3397**, and if you desaturate by 10%, it is **59.5428, 0.2857, 0.3339**.

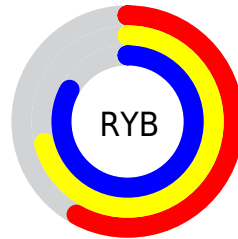
# Distribution



Red (58%)

Green (83%)

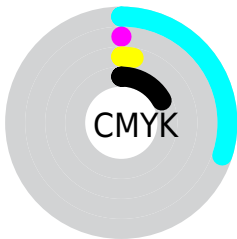
Blue (80%)



Red (58%)

Yellow (71%)

Blue (83%)

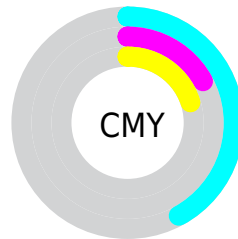


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (17%)



Cyan (42%)

Magenta (17%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2922, 0.2734, 0.3367 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 57.2922, 0.2734, 0.3367 by changing the saturation by 10% instead.





 57.2922, 0.2734,  
0.3367

 57.2922, 0.2734,  
0.3367


414.5433, 0.2922,  
0.3332

 41.2399, 0.2689,  
0.3375


 100.8914, 0.2801,  
0.3355

 28.5066, 0.2633,  
0.3384


 129.2071, 0.2826,  
0.3350

 18.7079, 0.2561,  
0.3396


162.3794, 0.2848,  
0.3346

 11.4594, 0.2464,  
0.3412

200.7926, 0.2867,  
0.3343

 6.3767, 0.2328,  
0.3431

244.8313, 0.2883,  
0.3339

 3.0755, 0.2123,  
0.3457

294.8797, 0.2898,

 1.1713, 0.1712,

0.3337

0.3518

351.3222, 0.2911,  
0.3334

0.0380, 0.0000,  
0.1188

0.0000, 0.0000,  
0.0000

57.2922, 0.2734,  
0.3367

57.2922, 0.2734,  
0.3367

55.4061, 0.2624,  
0.3397

59.5428, 0.2857,  
0.3339

53.8581, 0.2530,  
0.3428

62.1691, 0.2989,  
0.3313

52.6291, 0.2453,  
0.3460

65.1902, 0.3129,  
0.3290

51.6954, 0.2395,  
0.3493

68.6218, 0.3273,  
0.3268

■ 51.0298, 0.2356,  
0.3526

■ 72.4789, 0.3419,  
0.3249

■ 50.6002, 0.2336,  
0.3559

■ 72.8687, 0.3415,  
0.3229

■ 50.3489, 0.2331,  
0.3591

■ 72.9747, 0.3401,  
0.3209

■ 50.3459, 0.2331,  
0.3591

■ 73.0819, 0.3386,  
0.3188

■ 73.1904, 0.3371,  
0.3168

# Harmonies

## Analogous

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



57.2922, 0.2962, 0.3617



57.2922, 0.2734, 0.3367



57.2922, 0.2611, 0.3106

# Triad

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



57.2922, 0.2734, 0.3367



57.2922, 0.2993, 0.2859



57.2922, 0.3659, 0.3645

# Complementary

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



57.2922, 0.2734, 0.3367



37.3597, 0.3727, 0.3216

# 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.



57.2922, 0.3673, 0.3434



57.2922, 0.2734, 0.3367



57.2922, 0.3278, 0.2993

# Square

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



57.2922, 0.2734, 0.3367



57.2922, 0.2755, 0.2828



57.2922, 0.3531, 0.3199



57.2922, 0.3499, 0.3774



# Rectangle

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



57.2922, 0.2734, 0.3367



57.2922, 0.2601, 0.2966



57.2922, 0.3531, 0.3199



57.2922, 0.3682, 0.3581

# Sweetspot

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



57.2945, 0.2734, 0.3367



95.7633, 0.3000, 0.3311



55.6296, 0.3132, 0.4146



20.3609, 0.2980, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

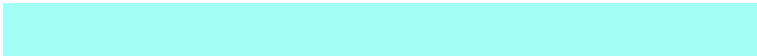


# Same Dimension

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



57.2945, 0.2734, 0.3367



85.9939, 0.2661, 0.3386



46.0320, 0.2662, 0.2954



13.3867, 0.2996, 0.3312



30.3888, 0.2330, 0.3586



1.7050, 0.2313, 0.3527



# Inverse Universe

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



37.3597, 0.3727, 0.3216



50.5039, 0.3917, 0.3200



45.9502, 0.3700, 0.3603



11.8264, 0.3276, 0.3268



8.3956, 0.6282, 0.3234



0.4759, 0.5952, 0.3052



# Previews

## White Background



This preview shows how the Yxy color 57.2922, 0.2734, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

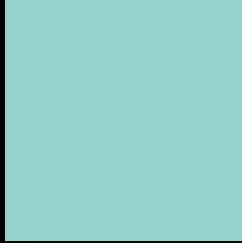
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2922, 0.2734, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

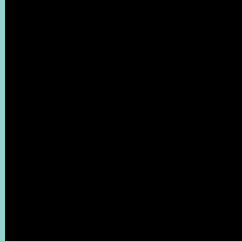
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

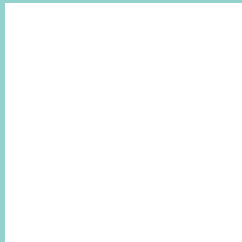
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.2922, 0.2734, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2922, 0.2734, 0.3367.

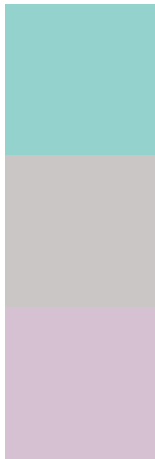


This preview shows how white text looks on a background with the Yxy color 57.2922, 0.2734, 0.3367.

# 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

57.2922, 0.2734, 0.3367

### Protanopia

56.9759, 0.3166, 0.3302

### Deuteranopia

56.8895, 0.3168, 0.3106



## Tritanopia

57.2234, 0.2639, 0.3076

# Trichromacy



**Original Color**

57.2922, 0.2734, 0.3367

**Protanomaly**

56.8271, 0.2990, 0.3327

**Deuteranomaly**

56.6814, 0.2987, 0.3193

**Tritanomaly**

57.2422, 0.2674, 0.3175

# Monochromacy



**Original Color**

57.2922, 0.2734, 0.3367

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.4876, 0.2965, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2922, 0.2734, 0.3367 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(148, 211, 205)` looks like.

```
.text, #text, p{  
    color:rgb(148, 211, 205)  
}
```

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(148, 211, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 211, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2922, 0.2734, 0.3367 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(148, 211, 205) }
```

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

```
.border{ border-color:rgb(148, 211, 205) }
```

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

Here you see how a box with a 4 pixel rgb(148, 211, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 211, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 211, 205);  
box-shadow:4px 4px 4px 4px rgb(148, 211,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2922, 0.2734, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 211, 205) }
```

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

```
.background{ background-color: rgb(148,  
211, 205) }
```

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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