

# Converting Colors

Yxy(64.8351, 0.2704, 0.3435)

Have a look what the booklet for  
Yxy(64.8351, 0.2704, 0.3435)  
contains.

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# Color

**Yxy(64.8576, 0.2702, 0.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93E1D5
RGB	147, 225, 213
RGB Percent	58%, 88%, 84%
CMY	0.4238, 0.1176, 0.1647
CMYK	0.35, 0.00, 0.05, 0.12
HSL	171°, 57%, 73%
HSV	171°, 35%, 88%
XYZ	50.9582, 64.8576, 72.7786
YIQ	200.3100, -42.6360, -20.2680

# Conversions

## Conversions Part 2

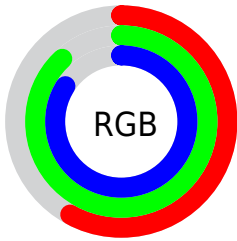
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 189, 225
Decimal	9691605
CIELab	84.41, -26.61, -1.75
CIELCh	84, 26.671, 183.756
Yxy	64.8576, 0.2702, 0.3439
Android (android.graphics.Color)	4287881685 (0xFF93E1D5)
YUV	200.3100, 6.2562, -46.7529
Hunter-Lab	80.5342, -27.9886, 2.7937

# Details

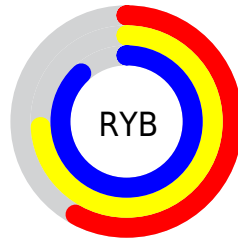
The Yxy color **64.8576, 0.2702, 0.3439** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.3591, 0.3820, 0.3150**, and the grayscale version is **57.9328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **33.1199, 0.2599, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **62.8065, 0.2604, 0.3489**, and if you desaturate by 10%, it is **67.3244, 0.2813, 0.3392**.

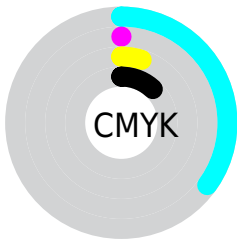
# Distribution



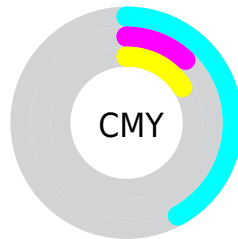
- Red (58%)
- Green (88%)
- Blue (84%)



- Red (58%)
- Yellow (74%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)




- Cyan (42%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8576, 0.2702, 0.3439 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 64.8576, 0.2702, 0.3439 by changing the saturation by 10% instead.





 64.8576, 0.2702,  
0.3439


 64.8576, 0.2702,  
0.3439


442.2801, 0.2902,  
0.3370

 47.3456, 0.2656,  
0.3455

 111.8451, 0.2772,  
0.3415

 33.3090, 0.2598,  
0.3474


 142.0894, 0.2799,  
0.3406

 22.3632, 0.2525,  
0.3499

177.3466, 0.2822,  
0.3398

 14.1240, 0.2428,  
0.3531

218.0012, 0.2842,  
0.3391

 8.2070, 0.2295,  
0.3574

264.4374, 0.2860,  
0.3385

 4.2277, 0.2101,  
0.3635

317.0397, 0.2875,

 1.8017, 0.1794,

0.3379

376.1924, 0.2889,  
0.3374

0.3728

0.4882, 0.0000,  
0.4275

0.0000, 0.0000,  
0.0000

64.8576, 0.2702,  
0.3439

64.8576, 0.2702,  
0.3439

62.8065, 0.2604,  
0.3489

67.3244, 0.2813,  
0.3392

61.1395, 0.2523,  
0.3542


70.2210, 0.2935,  
0.3348


59.8329, 0.2459,  
0.3596


73.5705, 0.3064,  
0.3308

58.8570, 0.2415,  
0.3651


77.3918, 0.3199,  
0.3271

 58.1773, 0.2391,  
0.3706


 80.8505, 0.3304,  
0.3238

 57.7519, 0.2384,  
0.3760

 81.0474, 0.3280,  
0.3204

 57.5933, 0.2386,  
0.3789

 81.2483, 0.3257,  
0.3170

 81.4531, 0.3234,  
0.3136

 81.6618, 0.3211,  
0.3102

# Harmonies

## Analogous

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



64.8576, 0.2988, 0.3728



64.8576, 0.2702, 0.3439



64.8576, 0.2533, 0.3120

# Triad

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



64.8576, 0.2702, 0.3439



64.8576, 0.2909, 0.2767



64.8576, 0.3778, 0.3667

# Complementary

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



64.8576, 0.2702, 0.3439



39.3591, 0.3820, 0.3150

# 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.



64.8576, 0.3760, 0.3405



64.8576, 0.2702, 0.3439



64.8576, 0.3243, 0.2904

# Square

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



64.8576, 0.2702, 0.3439



64.8576, 0.2647, 0.2752



64.8576, 0.3560, 0.3132



64.8576, 0.3613, 0.3848



# Rectangle

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



64.8576, 0.2702, 0.3439



64.8576, 0.2503, 0.2943



64.8576, 0.3560, 0.3132



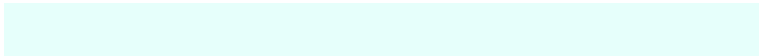
64.8576, 0.3793, 0.3585

# Sweetspot

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



64.8602, 0.2702, 0.3439



95.2301, 0.2994, 0.3329



63.4322, 0.3165, 0.4301



20.2505, 0.2976, 0.3335



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.



64.8602, 0.2702, 0.3439



84.0096, 0.2626, 0.3477



52.4761, 0.2594, 0.2957



15.5342, 0.3002, 0.3326



33.1964, 0.2384, 0.3781



2.3109, 0.2360, 0.3697



# Inverse Universe

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



39.3591, 0.3820, 0.3150



45.1029, 0.4050, 0.3120



47.9873, 0.3843, 0.3598



13.7348, 0.3268, 0.3254



9.3038, 0.6179, 0.3177



0.6557, 0.5797, 0.2967



# Previews

## White Background



This preview shows how the Yxy color 64.8576, 0.2702, 0.3439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

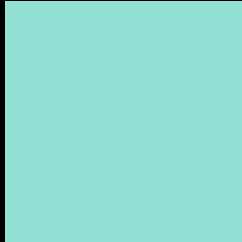
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8576, 0.2702, 0.3439 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

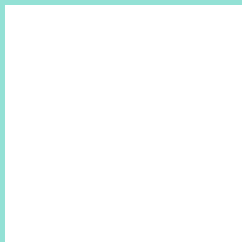
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8576, 0.2702, 0.3439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8576, 0.2702, 0.3439.

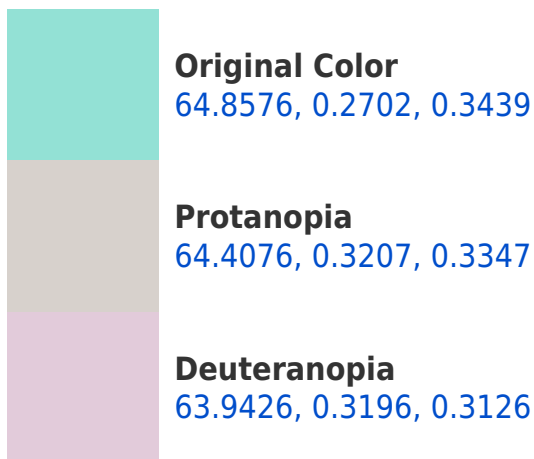


This preview shows how white text looks on a background with the Yxy color 64.8576, 0.2702, 0.3439.

# 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

64.7172, 0.2592, 0.3073

# Trichromacy



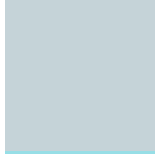
## Original Color

64.8576, 0.2702, 0.3439



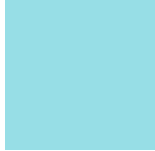
## Protanomaly

64.0530, 0.3001, 0.3385



## Deuteranomaly

63.4167, 0.2992, 0.3232



## Tritanomaly

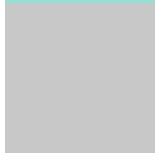
64.5350, 0.2629, 0.3191

# Monochromacy



## Original Color

64.8576, 0.2702, 0.3439



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

59.8325, 0.2950, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8576, 0.2702, 0.3439 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(147, 225, 213)` looks like.

```
.text, #text, p{  
    color:rgb(147, 225, 213)  
}
```

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(147, 225, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 225, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8576, 0.2702, 0.3439 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(147, 225, 213) }
```

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

```
.border{ border-color:rgb(147, 225, 213) }
```

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

Here you see how a box with a 4 pixel rgb(147, 225, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 225, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 225, 213);  
box-shadow:4px 4px 4px 4px rgb(147, 225,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8576, 0.2702, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 225, 213) }
```

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

```
.background{ background-color: rgb(147,  
225, 213) }
```

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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