

# Converting Colors

$Yxy(68.4897, 0.2606, 0.3424)$

Have a look what the booklet for  
Yxy(68.4897, 0.2606, 0.3424)  
contains.

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# Color

**Yxy(68.7027, 0.2608, 0.3424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E9DE
RGB	135, 233, 222
RGB Percent	53%, 91%, 87%
CMY	0.4701, 0.0863, 0.1294
CMYK	0.42, 0.00, 0.05, 0.09
HSL	173°, 69%, 72%
HSV	173°, 42%, 91%
XYZ	52.3296, 68.7027, 79.6181
YIQ	202.4440, -54.8770, -24.1970

# Conversions

## Conversions Part 2

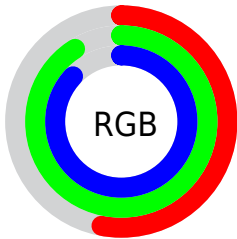
Format	Color
<a href="#">RYB</a>	<a href="#">135, 187, 233</a>
Decimal	<a href="#">8907230</a>
CIELab	<a href="#">86.36, -31.39, -3.71</a>
CIELCh	<a href="#">86, 31.609, 186.733</a>
Yxy	<a href="#">68.7027, 0.2608, 0.3424</a>
Android (android.graphics.Color)	<a href="#">4287097310</a> ( <a href="#">0xFF87E9DE</a> )
YUV	<a href="#">202.4440, 9.6411, -59.1484</a>
Hunter-Lab	<a href="#">82.8871, -32.3589, 1.0693</a>

# Details

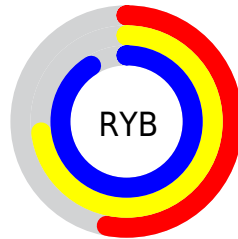
The Yxy color **68.7027, 0.2608, 0.3424** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.7588, 0.4091, 0.3167**, and the grayscale version is **59.3363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **35.8121, 0.2484, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **66.8387, 0.2518, 0.3461**, and if you desaturate by 10%, it is **70.9972, 0.2714, 0.3388**.

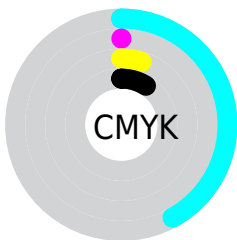
# Distribution



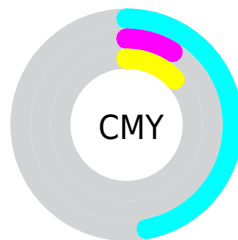
- Red (53%)
- Green (91%)
- Blue (87%)



- Red (53%)
- Yellow (73%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)




- Cyan (47%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7027, 0.2608, 0.3424 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 68.7027, 0.2608, 0.3424 by changing the saturation by 10% instead.



 68.7027, 0.2608,  
0.3424

 68.7027, 0.2608,  
0.3424

455.9817, 0.2848,  
0.3364


 50.4696, 0.2553,  
0.3437


 117.3568, 0.2691,  
0.3404

 35.7867, 0.2486,  
0.3453


 148.5467, 0.2724,  
0.3396

 24.2695, 0.2401,  
0.3472


 184.8243, 0.2752,  
0.3389

 15.5337, 0.2289,  
0.3496

226.5740, 0.2776,  
0.3383

 9.1948, 0.2139,  
0.3527

274.1802, 0.2797,  
0.3377

 4.8684, 0.1925,  
0.3568

328.0272, 0.2816,

 2.1703, 0.1601,

0.3373

0.3619

388.4996, 0.2833,  
0.3368

0.7037, 0.0000,  
0.4067

0.0000, 0.0000,  
0.0000

68.7027, 0.2608,  
0.3424

68.7027, 0.2608,  
0.3424

66.8387, 0.2518,  
0.3461

70.9972, 0.2714,  
0.3388

65.3692, 0.2447,  
0.3500

73.7395, 0.2832,  
0.3355

64.2658, 0.2395,  
0.3539


76.9557, 0.2962,  
0.3324

63.4925, 0.2362,  
0.3578

80.6674, 0.3099,  
0.3295


 63.0062, 0.2348,  
0.3617


 84.8950, 0.3241,  
0.3270

 62.7689, 0.2347,  
0.3648

 85.6852, 0.3247,  
0.3244

 85.8397, 0.3230,  
0.3219

 85.9963, 0.3214,  
0.3193

 86.1552, 0.3197,  
0.3168

# Harmonies

## Analogous

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



68.7027, 0.2926, 0.3776



68.7027, 0.2608, 0.3424



68.7027, 0.2432, 0.3055

# Triad

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



68.7027, 0.2608, 0.3424



68.7027, 0.2909, 0.2698



68.7027, 0.3873, 0.3748

# Complementary

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



68.7027, 0.2608, 0.3424



36.7588, 0.4091, 0.3167

# 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.



68.7027, 0.3877, 0.3450



68.7027, 0.2608, 0.3424



68.7027, 0.3300, 0.2867

# Square

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



68.7027, 0.2608, 0.3424



68.7027, 0.2596, 0.2664



68.7027, 0.3662, 0.3135



68.7027, 0.3660, 0.3950

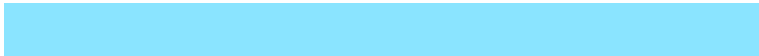


# Rectangle

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



68.7027, 0.2608, 0.3424



68.7027, 0.2409, 0.2859



68.7027, 0.3662, 0.3135



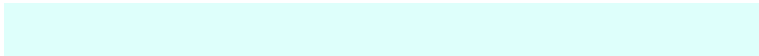
68.7027, 0.3899, 0.3655

# Sweetspot

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



68.7054, 0.2608, 0.3424



94.0088, 0.2948, 0.3327



66.1828, 0.3136, 0.4565



19.9263, 0.2919, 0.3334



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.



68.7054, 0.2608, 0.3424



82.4037, 0.2533, 0.3455



50.2832, 0.2476, 0.2808



17.0911, 0.2996, 0.3316



35.6325, 0.2345, 0.3642



2.8063, 0.2330, 0.3588



# Inverse Universe

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



36.7588, 0.4091, 0.3167



38.5151, 0.4393, 0.3147



48.8198, 0.4026, 0.3719



15.0815, 0.3275, 0.3264



9.8814, 0.6263, 0.3224

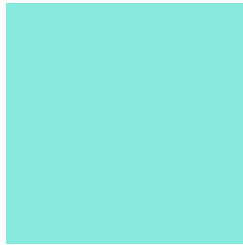


0.7850, 0.5981, 0.3068



# Previews

## White Background



This preview shows how the Yxy color 68.7027, 0.2608, 0.3424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

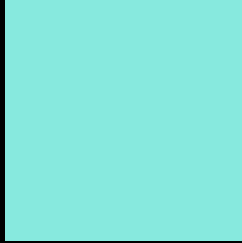
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7027, 0.2608, 0.3424 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 68.7027, 0.2608, 0.3424**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7027, 0.2608, 0.3424.

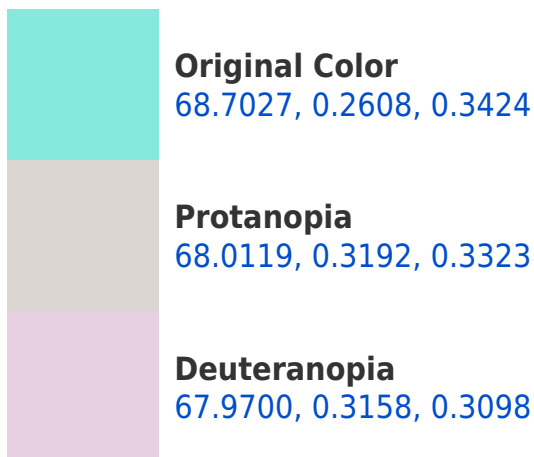


This preview shows how white text looks on a background with the Yxy color 68.7027, 0.2608, 0.3424.

# 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

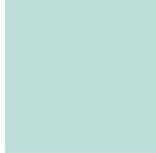
68.5667, 0.2508, 0.3064

# Trichromacy



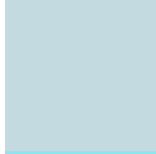
## Original Color

68.7027, 0.2608, 0.3424



## Protanomaly

67.4380, 0.2945, 0.3360



## Deuteranomaly

67.1812, 0.2922, 0.3209



## Tritanomaly

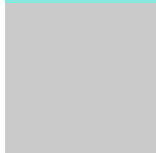
68.3146, 0.2538, 0.3180

# Monochromacy



## Original Color

68.7027, 0.2608, 0.3424



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.6569, 0.2905, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7027, 0.2608, 0.3424 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(135, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 233, 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(135, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 233, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7027, 0.2608, 0.3424 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(135, 233, 222) }
```

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

```
.border{ border-color:rgb(135, 233, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 233, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 233,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7027, 0.2608, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 233, 222) }
```

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

```
.background{ background-color: rgb(135,  
233, 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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