

# Converting Colors

Yxy(66.9889, 0.2703, 0.3325)

Have a look what the booklet for  
Yxy(66.9889, 0.2703, 0.3325)  
contains.

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# Color

**Yxy(66.8885, 0.2705, 0.3325)**

# Conversions

Conversions Part 1	
Format	Color
Hex	9DE2DF
RGB	157, 226, 223
RGB Percent	62%, 89%, 87%
CMY	0.3845, 0.1137, 0.1254
CMYK	0.31, 0.00, 0.01, 0.11
HSL	177°, 54%, 75%
HSV	177°, 31%, 89%
XYZ	54.4161, 66.8885, 79.8639
YIQ	205.0270, -40.1610, -15.5610

# Conversions

## Conversions Part 2

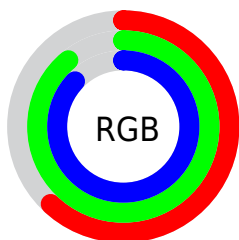
Format	Color
<a href="#">RYB</a>	<a href="#">157, 192, 226</a>
Decimal	<a href="#">10347231</a>
CIELab	<a href="#">85.45, -22.10, -5.46</a>
CIELCh	<a href="#">85, 22.762, 193.876</a>
Yxy	<a href="#">66.8885, 0.2705, 0.3325</a>
Android (android.graphics.Color)	<a href="#">4288537311</a> (0xFF9DE2DF)
YUV	<a href="#">205.0270, 8.8607, -42.1197</a>
Hunter-Lab	<a href="#">81.7854, -24.3591, -0.6472</a>

# Details

The Yxy color `66.8885, 0.2705, 0.3325` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `42.8090, 0.3785, 0.3257`, and the grayscale version is `61.0274, 0.3127, 0.3290`.

A 20% lighter version of the original color is `92.8861, 0.2877, 0.3289`, and `34.4602, 0.2605, 0.3321` is the 20% darker color. If you saturate the color by 10%, you get `64.7722, 0.2591, 0.3338`, and if you desaturate by 10%, it is `69.4309, 0.2833, 0.3313`.

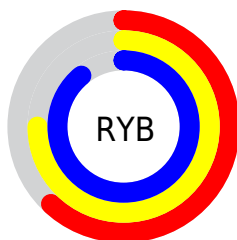
# Distribution



Red (62%)

Green (89%)

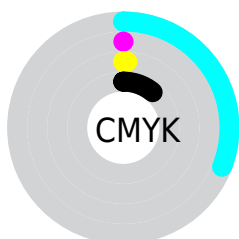
Blue (87%)



Red (62%)

Yellow (75%)

Blue (89%)

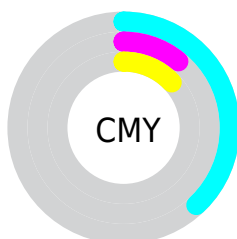


Cyan (31%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (38%)

Magenta (11%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8885, 0.2705, 0.3325 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 66.8885, 0.2705, 0.3325 by changing the saturation by 10% instead.




 66.8885, 0.2705,  
0.3325


 66.8885, 0.2705,  
0.3325

449.5478, 0.2901,  
0.3311

 48.9940, 0.2660,  
0.3327


 114.7606, 0.2773,  
0.3321

 34.6147, 0.2604,  
0.3330


 145.5071, 0.2800,  
0.3319

 23.3663, 0.2534,  
0.3333


181.3063, 0.2823,  
0.3317

 14.8642, 0.2441,  
0.3336

222.5427, 0.2842,  
0.3316

 8.7241, 0.2315,  
0.3338

269.6006, 0.2860,  
0.3315

 4.5617, 0.2134,  
0.3336

322.8645, 0.2875,

 1.9925, 0.1852,

0.3313

382.7188, 0.2889,  
0.3312

0.3323

0.6031, 0.0201,  
0.3596

0.0000, 0.0000,  
0.0000

66.8885, 0.2705,  
0.3325

66.8885, 0.2705,  
0.3325

64.7722, 0.2591,  
0.3338

69.4309, 0.2833,  
0.3313

63.0507, 0.2494,  
0.3352


72.4129, 0.2972,  
0.3301


61.7012, 0.2415,  
0.3366


75.8570, 0.3119,  
0.3291


60.6953, 0.2355,  
0.3380


79.7819, 0.3271,  
0.3281

 60.0005, 0.2314,  
0.3395


 81.2550, 0.3319,  
0.3272

 59.5781, 0.2292,  
0.3409

 81.3096, 0.3312,  
0.3262

 59.3666, 0.2284,  
0.3422

 81.3645, 0.3306,  
0.3252

 81.4197, 0.3299,  
0.3242

 81.4752, 0.3292,  
0.3233

# Harmonies

## Analogous

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



66.8885, 0.2921, 0.3584



66.8885, 0.2705, 0.3325



66.8885, 0.2601, 0.3069

# Triad

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



66.8885, 0.2705, 0.3325



66.8885, 0.3036, 0.2872



66.8885, 0.3646, 0.3674

# Complementary

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



66.8885, 0.2705, 0.3325



42.8090, 0.3785, 0.3257

# 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.



66.8885, 0.3684, 0.3470



66.8885, 0.2705, 0.3325



66.8885, 0.3323, 0.3020

# Square

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



66.8885, 0.2705, 0.3325



66.8885, 0.2785, 0.2823



66.8885, 0.3564, 0.3234



66.8885, 0.3465, 0.3786

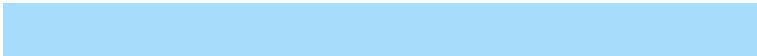


# Rectangle

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



66.8885, 0.2705, 0.3325



66.8885, 0.2605, 0.2938



66.8885, 0.3564, 0.3234



66.8885, 0.3676, 0.3614

# Sweetspot

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



66.8912, 0.2705, 0.3325



95.8402, 0.2993, 0.3299



64.3479, 0.3108, 0.4179



20.3800, 0.2972, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

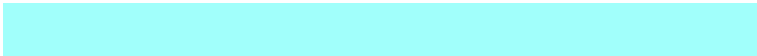


# Same Dimension

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



66.8912, 0.2705, 0.3325



86.0199, 0.2627, 0.3334



51.6592, 0.2644, 0.2898



15.5615, 0.2988, 0.3300



33.8700, 0.2283, 0.3420



2.3509, 0.2277, 0.3398



# Inverse Universe

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



42.8090, 0.3785, 0.3257



49.3349, 0.3997, 0.3249



54.5849, 0.3708, 0.3651



13.7101, 0.3285, 0.3280



9.2410, 0.6352, 0.3273

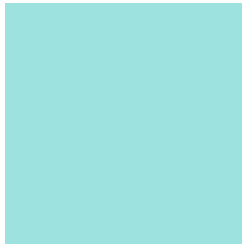


0.6440, 0.6214, 0.3197



# Previews

## White Background



This preview shows how the Yxy color 66.8885, 0.2705, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

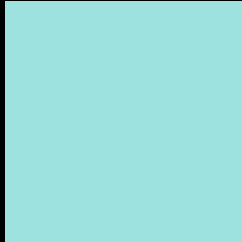
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8885, 0.2705, 0.3325 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

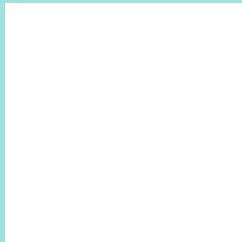
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8885, 0.2705, 0.3325**

## Background



This preview shows how black text looks on a background with the Yxy color 66.8885, 0.2705, 0.3325.

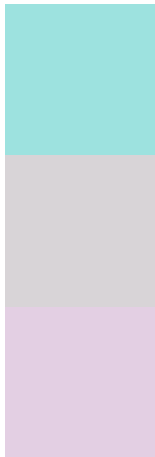


This preview shows how white text looks on a background with the Yxy color 66.8885, 0.2705, 0.3325.

# 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

66.8885, 0.2705, 0.3325

### Protanopia

66.5922, 0.3136, 0.3257

### Deuteranopia

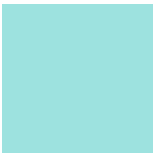
66.5026, 0.3137, 0.3075



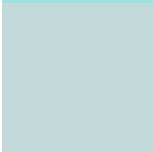
## Tritanopia

66.7033, 0.2628, 0.3077

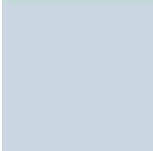
# Trichromacy



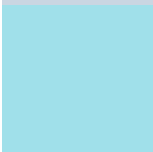
**Original Color**  
66.8885, 0.2705, 0.3325



**Protanomaly**  
66.2898, 0.2966, 0.3278



**Deuteranomaly**  
66.1407, 0.2963, 0.3154



**Tritanomaly**  
66.7254, 0.2661, 0.3170

# Monochromacy



**Original Color**  
66.8885, 0.2705, 0.3325



**Achromatopsia**  
61.0496, 0.3127, 0.3290



**Achromatomaly**  
63.0333, 0.2955, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8885, 0.2705, 0.3325 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(157, 226, 223) looks like.

```
.text, #text, p{  
    color:rgb(157, 226, 223)  
}
```

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(157, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 226, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8885, 0.2705, 0.3325 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(157, 226, 223) }
```

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

```
.border{ border-color:rgb(157, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 226,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8885, 0.2705, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 226, 223) }
```

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

```
.background{ background-color: rgb(157,  
226, 223) }
```

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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