

# Converting Colors

$Yxy(67.0141, 0.2575, 0.3288)$

Have a look what the booklet for  
Yxy(67.0141, 0.2575, 0.3288)  
contains.

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# Color

**Yxy(67.0141, 0.2575, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89E5E5
RGB	137, 229, 229
RGB Percent	54%, 90%, 90%
CMY	0.4627, 0.1020, 0.1018
CMYK	0.40, 0.00, 0.00, 0.10
HSL	180°, 64%, 72%
HSV	180°, 40%, 90%
XYZ	52.4821, 67.0141, 84.3179
YIQ	201.4920, -54.8320, -19.5040

# Conversions

## Conversions Part 2

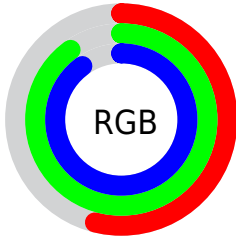
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 183, 229
Decimal	9037285
CIELab	85.51, -27.35, -8.64
CIELCh	86, 28.682, 197.536
Yxy	67.0141, 0.2575, 0.3288
Android (android.graphics.Color)	4287227365 (0xFF89E5E5)
YUV	201.4920, 13.5614, -56.5595
Hunter-Lab	81.8621, -28.8217, -3.7651

# Details

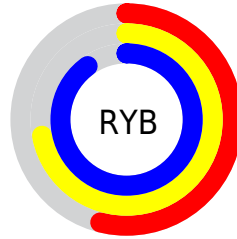
The Yxy color **67.0141, 0.2575, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.3707, 0.4146, 0.3293**, and the grayscale version is **58.6727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **34.6486, 0.2445, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **65.2782, 0.2474, 0.3288**, and if you desaturate by 10%, it is **69.1660, 0.2693, 0.3288**.

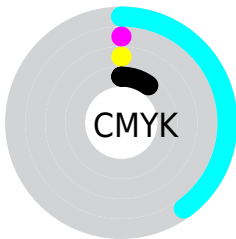
# Distribution



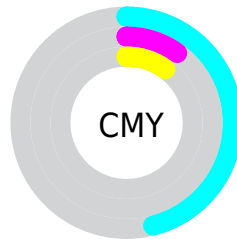
- Red (54%)
- Green (90%)
- Blue (90%)



- Red (54%)
- Yellow (72%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (46%)
- Magenta (10%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0141, 0.2575, 0.3288 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 67.0141, 0.2575, 0.3288 by changing the saturation by 10% instead.





 67.0141, 0.2575,  
0.3288

 67.0141, 0.2575,  
0.3288


449.9950, 0.2830,  
0.3294

 49.0961, 0.2517,  
0.3285


 114.9406, 0.2663,  
0.3291

 34.6957, 0.2446,  
0.3281


 145.7179, 0.2698,  
0.3292

 23.4286, 0.2356,  
0.3275


181.5504, 0.2727,  
0.3293

 14.9103, 0.2239,  
0.3265

222.8225, 0.2753,  
0.3293

 8.7564, 0.2081,  
0.3247

269.9186, 0.2776,  
0.3294

 4.5827, 0.1858,  
0.3215

323.2232, 0.2796,

 2.0045, 0.1523,

0.3294

0.3145

383.1205, 0.2814,  
0.3294

0.6101, 0.0000,  
0.3191

0.0000, 0.0000,  
0.0000

67.0141, 0.2575,  
0.3288

67.0141, 0.2575,  
0.3288

65.2782, 0.2474,  
0.3288

69.1660, 0.2693,  
0.3288

63.9243, 0.2391,  
0.3287

71.7500, 0.2826,  
0.3289


62.9256, 0.2328,  
0.3287

74.7908, 0.2971,  
0.3289

62.2489, 0.2284,  
0.3287

78.3089, 0.3124,  
0.3290


 61.8543, 0.2258,  
0.3287

 82.3237, 0.3284,  
0.3291

 61.6742, 0.2246,  
0.3286

 82.9814, 0.3308,  
0.3291

 82.9853, 0.3308,  
0.3291

 82.9893, 0.3308,  
0.3291

 82.9932, 0.3308,  
0.3291

# Harmonies

## Analogous

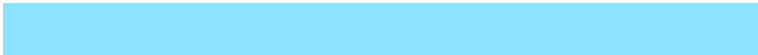
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0141, 0.2827, 0.3627



67.0141, 0.2575, 0.3288



67.0141, 0.2467, 0.2973

# Triad

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



67.0141, 0.2575, 0.3288



67.0141, 0.3053, 0.2788



67.0141, 0.3760, 0.3793

# Complementary

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



67.0141, 0.2575, 0.3288



36.3707, 0.4146, 0.3293

# 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.



67.0141, 0.3835, 0.3543



67.0141, 0.2575, 0.3288



67.0141, 0.3414, 0.2982

# Square

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



67.0141, 0.2575, 0.3288



67.0141, 0.2731, 0.2709



67.0141, 0.3707, 0.3252



67.0141, 0.3512, 0.3923

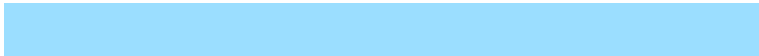


# Rectangle

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



67.0141, 0.2575, 0.3288



67.0141, 0.2486, 0.2822



67.0141, 0.3707, 0.3252



67.0141, 0.3807, 0.3719

# Sweetspot

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



67.0167, 0.2575, 0.3288



94.6452, 0.2943, 0.3289



63.1801, 0.3069, 0.4524



20.1447, 0.2923, 0.3289



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.



67.0167, 0.2575, 0.3288



83.6698, 0.2492, 0.3288



44.8522, 0.2481, 0.2688



16.3356, 0.2982, 0.3290



35.2524, 0.2246, 0.3286



2.6053, 0.2246, 0.3287



# Inverse Universe

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



40.2134, 0.3174, 0.2303



45.1433, 0.3182, 0.2125



52.3437, 0.3924, 0.3819



14.6152, 0.3138, 0.3059



12.7565, 0.3210, 0.1542

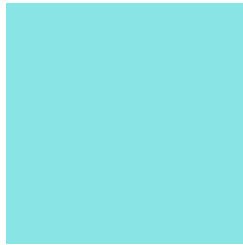


0.9427, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 67.0141, 0.2575, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

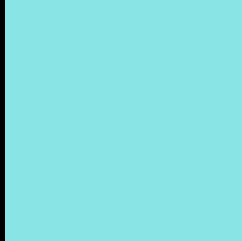
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0141, 0.2575, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

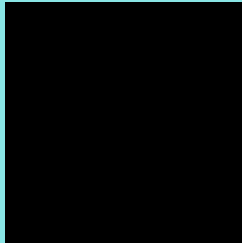
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0141, 0.2575, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0141, 0.2575, 0.3288.

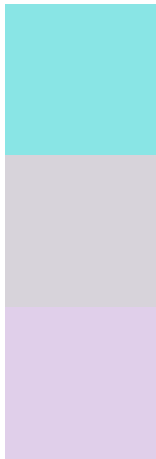


This preview shows how white text looks on a background with the Yxy color 67.0141, 0.2575, 0.3288.

# 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

67.0141, 0.2575, 0.3288

### Protanopia

66.0976, 0.3109, 0.3212

### Deuteranopia

66.4135, 0.3067, 0.3000



## Tritanopia

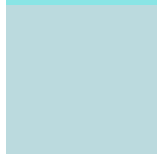
67.1935, 0.2513, 0.3074

# Trichromacy



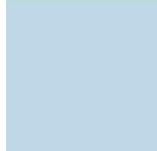
## Original Color

67.0141, 0.2575, 0.3288



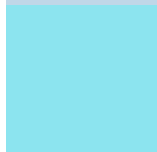
## Protanomaly

65.9815, 0.2887, 0.3243



## Deuteranomaly

65.6335, 0.2858, 0.3095



## Tritanomaly

67.2942, 0.2539, 0.3156

# Monochromacy



## Original Color

67.0141, 0.2575, 0.3288



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.7567, 0.2892, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0141, 0.2575, 0.3288 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(137, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(137, 229, 229)  
}
```

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(137, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 229, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0141, 0.2575, 0.3288 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(137, 229, 229) }
```

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

```
.border{ border-color:rgb(137, 229, 229) }
```

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

Here you see how a box with a 4 pixel rgb(137, 229, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(137, 229,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0141, 0.2575, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 229, 229) }
```

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

```
.background{ background-color: rgb(137,  
229, 229) }
```

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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