

# Converting Colors

$Yxy(66.4353, 0.2665, 0.3436)$

Have a look what the booklet for  
Yxy(66.4353, 0.2665, 0.3436)  
contains.

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# Color

**Yxy(66.2843, 0.2669, 0.3438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FE4D8
RGB	143, 228, 216
RGB Percent	56%, 89%, 85%
CMY	0.4395, 0.1058, 0.1529
CMYK	0.37, 0.00, 0.05, 0.11
HSL	172°, 61%, 73%
HSV	172°, 37%, 89%
XYZ	51.4581, 66.2843, 75.0567
YIQ	201.2170, -46.8080, -21.7520

# Conversions

## Conversions Part 2

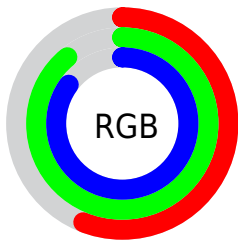
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 189, 228
Decimal	9430232
CIELab	85.14, -28.44, -2.29
CIELCh	85, 28.533, 184.609
Yxy	66.2843, 0.2669, 0.3438
Android (android.graphics.Color)	4287620312 (0xFF8FE4D8)
YUV	201.2170, 7.2880, -51.0563
Hunter-Lab	81.4152, -29.6565, 2.3312

# Details

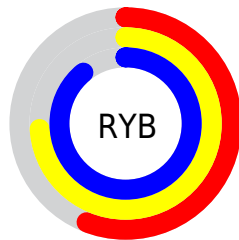
The Yxy color **66.2843, 0.2669, 0.3438** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.4853, 0.3908, 0.3152**, and the grayscale version is **58.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **34.1045, 0.2558, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **64.2910, 0.2574, 0.3484**, and if you desaturate by 10%, it is **68.6996, 0.2778, 0.3394**.

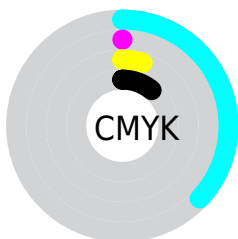
# Distribution



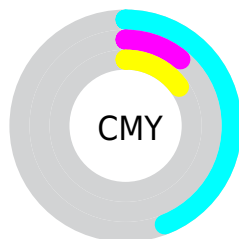
- Red (56%)
- Green (89%)
- Blue (85%)



- Red (56%)
- Yellow (74%)
- Blue (89%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (44%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2843, 0.2669, 0.3438 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 66.2843, 0.2669, 0.3438 by changing the saturation by 10% instead.




 66.2843, 0.2669,  
0.3438


 66.2843, 0.2669,  
0.3438

447.3929, 0.2883,  
0.3370

 48.5032, 0.2620,  
0.3453


 113.8943, 0.2744,  
0.3415

 34.2256, 0.2559,  
0.3472


 144.4920, 0.2772,  
0.3406

 23.0669, 0.2481,  
0.3496

180.1307, 0.2797,  
0.3398

 14.6429, 0.2379,  
0.3526

221.1948, 0.2819,  
0.3391

 8.5692, 0.2240,  
0.3566

268.0686, 0.2838,  
0.3385

 4.4613, 0.2038,  
0.3623

321.1367, 0.2855,

 1.9348, 0.1724,

0.3379

380.7833, 0.2870,  
0.3375

0.3704

0.5692, 0.0000,  
0.4219

0.0000, 0.0000,  
0.0000

66.2843, 0.2669,  
0.3438

66.2843, 0.2669,  
0.3438

64.2910, 0.2574,  
0.3484

68.6996, 0.2778,  
0.3394

62.6866, 0.2496,  
0.3533

71.5521, 0.2899,  
0.3353

61.4457, 0.2437,  
0.3582

74.8659, 0.3029,  
0.3315

60.5365, 0.2397,  
0.3632

78.6609, 0.3164,  
0.3281

■ 59.9219, 0.2376,  
0.3682

■ 82.5862, 0.3289,  
0.3250

■ 59.5526, 0.2373,  
0.3732

■ 82.7708, 0.3267,  
0.3218

■ 59.4737, 0.2374,  
0.3745

■ 82.9587, 0.3246,  
0.3187

■ 83.1499, 0.3225,  
0.3156

■ 83.3446, 0.3204,  
0.3125

# Harmonies

## Analogous

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



66.2843, 0.2968, 0.3750



66.2843, 0.2669, 0.3438



66.2843, 0.2495, 0.3099

# Triad

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



66.2843, 0.2669, 0.3438



66.2843, 0.2904, 0.2739



66.2843, 0.3816, 0.3695

# Complementary

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



66.2843, 0.2669, 0.3438



38.4853, 0.3908, 0.3152

# 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.



66.2843, 0.3803, 0.3419



66.2843, 0.2669, 0.3438



66.2843, 0.3260, 0.2887

# Square

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



66.2843, 0.2669, 0.3438



66.2843, 0.2625, 0.2718



66.2843, 0.3596, 0.3130



66.2843, 0.3635, 0.3885

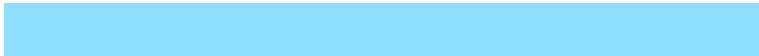


# Rectangle

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



66.2843, 0.2669, 0.3438



66.2843, 0.2467, 0.2914



66.2843, 0.3596, 0.3130



66.2843, 0.3835, 0.3608

# Sweetspot

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



66.2869, 0.2669, 0.3438



94.8106, 0.2979, 0.3329



64.5133, 0.3157, 0.4394



20.1677, 0.2961, 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.



66.2869, 0.2669, 0.3438



83.3383, 0.2592, 0.3475



51.9319, 0.2552, 0.2909



16.2996, 0.3000, 0.3323



34.3508, 0.2372, 0.3738



2.5481, 0.2351, 0.3665



# Inverse Universe

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



38.4853, 0.3908, 0.3152



42.5043, 0.4167, 0.3124



48.2540, 0.3908, 0.3638



14.4009, 0.3270, 0.3257



9.5952, 0.6208, 0.3193

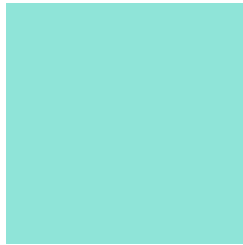


0.7196, 0.5863, 0.3004



# Previews

## White Background



This preview shows how the Yxy color 66.2843, 0.2669, 0.3438 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

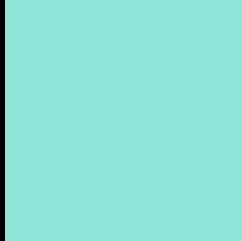
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2843, 0.2669, 0.3438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

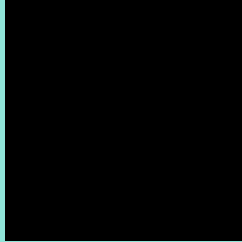
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

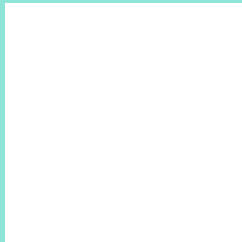
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.2843, 0.2669, 0.3438**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2843, 0.2669, 0.3438.

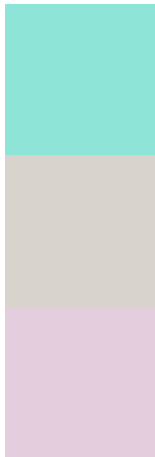


This preview shows how white text looks on a background with the Yxy color 66.2843, 0.2669, 0.3438.

# 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**

66.2843, 0.2669, 0.3438

**Protanopia**

65.7965, 0.3207, 0.3346

**Deuteranopia**

65.3771, 0.3188, 0.3117



## Tritanopia

66.2061, 0.2566, 0.3075

# Trichromacy



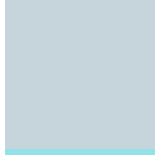
## Original Color

66.2843, 0.2669, 0.3438



## Protanomaly

65.2260, 0.2982, 0.3372



## Deuteranomaly

64.5733, 0.2973, 0.3220



## Tritanomaly

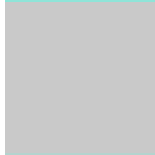
65.9367, 0.2598, 0.3192

# Monochromacy



## Original Color

66.2843, 0.2669, 0.3438



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.7481, 0.2937, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.2843, 0.2669, 0.3438 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(143, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(143, 228, 216)  
}
```

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(143, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 228, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2843, 0.2669, 0.3438 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(143, 228, 216) }
```

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

```
.border{ border-color:rgb(143, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(143, 228,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2843, 0.2669, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 228, 216) }
```

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

```
.background{ background-color: rgb(143,  
228, 216) }
```

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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