

# Converting Colors

$Yxy(66.8381, 0.2640, 0.3372)$

Have a look what the booklet for  
Yxy(66.8381, 0.2640, 0.3372)  
contains.

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# Color

**Yxy(66.6004, 0.2638, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FE4DE
RGB	143, 228, 222
RGB Percent	56%, 89%, 87%
CMY	0.4395, 0.1058, 0.1295
CMYK	0.37, 0.00, 0.03, 0.11
HSL	176°, 61%, 73%
HSV	176°, 37%, 89%
XYZ	52.2426, 66.6004, 79.1957
YIQ	201.9010, -48.7340, -19.8860

# Conversions

## Conversions Part 2

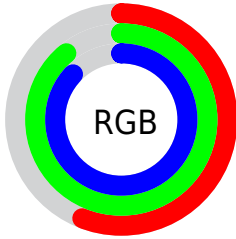
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 187, 228
Decimal	9430238
CIELab	85.30, -27.07, -5.21
CIELCh	85, 27.568, 190.885
Yxy	66.6004, 0.2638, 0.3363
Android (android.graphics.Color)	4287620318 (0xFF8FE4DE)
YUV	201.9010, 9.9088, -51.6562
Hunter-Lab	81.6091, -28.5479, -0.4103

# Details

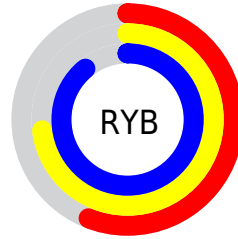
The Yxy color **66.6004, 0.2638, 0.3363** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2853, 0.3975, 0.3222**, and the grayscale version is **58.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **34.3213, 0.2520, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **64.6858, 0.2537, 0.3386**, and if you desaturate by 10%, it is **68.9346, 0.2754, 0.3341**.

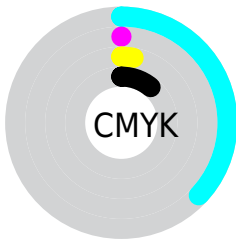
# Distribution



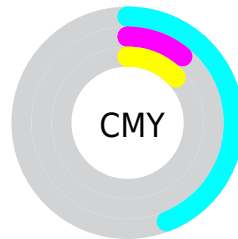
- Red (56%)
- Green (89%)
- Blue (87%)



- Red (56%)
- Yellow (73%)
- Blue (89%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (44%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6004, 0.2638, 0.3363 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 66.6004, 0.2638, 0.3363 by changing the saturation by 10% instead.




 66.6004, 0.2638,  
0.3363

 66.6004, 0.2638,  
0.3363


448.5211, 0.2865,  
0.3332

 48.7600, 0.2586,  
0.3369


 114.3476, 0.2717,  
0.3353

 34.4291, 0.2522,  
0.3377


 145.0232, 0.2748,  
0.3349

 23.2234, 0.2440,  
0.3385


180.7460, 0.2774,  
0.3345

 14.7586, 0.2334,  
0.3396

221.9003, 0.2797,  
0.3342

 8.6501, 0.2189,  
0.3407

268.8706, 0.2817,  
0.3339

 4.5137, 0.1981,  
0.3419

322.0412, 0.2835,

 1.9649, 0.1662,

0.3337

381.7965, 0.2851,  
0.3334

0.3424

0.5869, 0.0000,  
0.3690

0.0000, 0.0000,  
0.0000

66.6004, 0.2638,  
0.3363

66.6004, 0.2638,  
0.3363

64.6858, 0.2537,  
0.3386

68.9346, 0.2754,  
0.3341

63.1577, 0.2454,  
0.3409

71.7036, 0.2883,  
0.3321

61.9906, 0.2390,  
0.3433

74.9314, 0.3021,  
0.3303

61.1529, 0.2345,  
0.3457


78.6379, 0.3167,  
0.3286


 60.6074, 0.2319,  
0.3481


 82.4751, 0.3302,  
0.3270


 60.3048, 0.2310,  
0.3505

 82.5665, 0.3291,  
0.3254

 60.2435, 0.2309,  
0.3511

 82.6586, 0.3281,  
0.3238

 82.7517, 0.3270,  
0.3222

 82.8456, 0.3259,  
0.3206

# Harmonies

## Analogous

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



66.6004, 0.2907, 0.3678



66.6004, 0.2638, 0.3363



66.6004, 0.2500, 0.3046

# Triad

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



66.6004, 0.2638, 0.3363



66.6004, 0.2981, 0.2778



66.6004, 0.3769, 0.3729

# Complementary

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



66.6004, 0.2638, 0.3363



38.2853, 0.3975, 0.3222

# 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.



66.6004, 0.3798, 0.3474



66.6004, 0.2638, 0.3363



66.6004, 0.3329, 0.2943

# Square

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



66.6004, 0.2638, 0.3363



66.6004, 0.2689, 0.2730



66.6004, 0.3634, 0.3192



66.6004, 0.3562, 0.3885

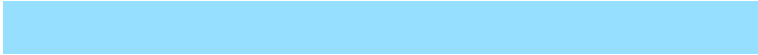


# Rectangle

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



66.6004, 0.2638, 0.3363



66.6004, 0.2495, 0.2882



66.6004, 0.3634, 0.3192



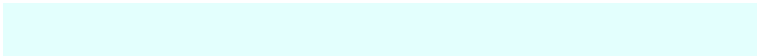
66.6004, 0.3801, 0.3652

# Sweetspot

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



66.6030, 0.2638, 0.3363



94.9353, 0.2968, 0.3309



63.9633, 0.3119, 0.4407



20.1976, 0.2949, 0.3312



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.



66.6030, 0.2638, 0.3363



83.8239, 0.2557, 0.3381



49.3803, 0.2541, 0.2833



16.3178, 0.2991, 0.3306



34.7873, 0.2308, 0.3507



2.5760, 0.2298, 0.3473



# Inverse Universe

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



38.2853, 0.3975, 0.3222



42.2398, 0.4256, 0.3208



50.4685, 0.3884, 0.3702



14.3845, 0.3281, 0.3274



9.5524, 0.6322, 0.3256

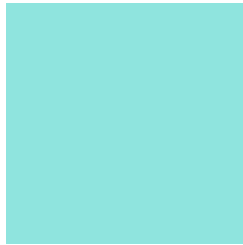


0.7117, 0.6115, 0.3142



# Previews

## White Background



This preview shows how the Yxy color 66.6004, 0.2638, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

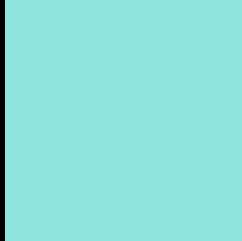
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6004, 0.2638, 0.3363 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 66.6004, 0.2638, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6004, 0.2638, 0.3363.

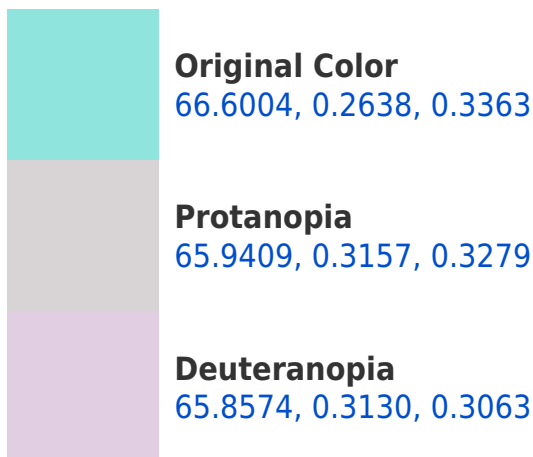


This preview shows how white text looks on a background with the Yxy color 66.6004, 0.2638, 0.3363.

# 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

66.6174, 0.2553, 0.3075

# Trichromacy



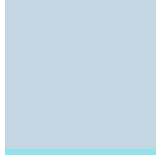
## Original Color

66.6004, 0.2638, 0.3363



## Protanomaly

65.4024, 0.2937, 0.3301



## Deuteranomaly

65.2651, 0.2928, 0.3163



## Tritanomaly

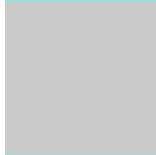
66.5019, 0.2584, 0.3180

# Monochromacy



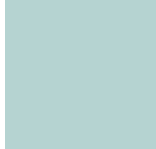
## Original Color

66.6004, 0.2638, 0.3363



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.0157, 0.2925, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6004, 0.2638, 0.3363 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(143, 228, 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(143, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 228, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6004, 0.2638, 0.3363 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, 222) }
```

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

```
.border{ border-color:rgb(143, 228, 222) }
```

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, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(143, 228,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6004, 0.2638, 0.3363 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, 222) }
```

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

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