

# Converting Colors

$Yxy(65.1165, 0.2686, 0.3868)$

Have a look what the booklet for  
Yxy(65.1165, 0.2686, 0.3868)  
contains.

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# Color

**Yxy(65.0571, 0.2688, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74E8BC
RGB	116, 232, 188
RGB Percent	45%, 91%, 74%
CMY	0.5448, 0.0902, 0.2629
CMYK	0.50, 0.00, 0.19, 0.09
HSL	157°, 72%, 68%
HSV	157°, 50%, 91%
XYZ	45.1403, 65.0571, 57.7352
YIQ	192.3000, -55.0120, -38.2760

# Conversions

## Conversions Part 2

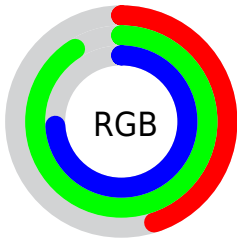
Format	Color
<b>RYB</b>	116, 188, 232
Decimal	7661756
CIELab	84.51, -43.14, 11.42
CIELCh	85, 44.630, 165.175
Yxy	65.0571, 0.2688, 0.3874
Android (android.graphics.Color)	4285851836 (0xFF74E8BC)
YUV	192.3000, -2.1199, -66.9151
Hunter-Lab	80.6580, -41.2538, 14.0206

# Details

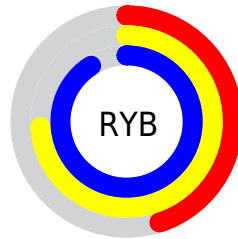
The Yxy color **65.0571, 0.2688, 0.3874** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **32.2055, 0.3983, 0.2796**, and the grayscale version is **52.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0503, 0.2724, 0.3409**, and **33.5842, 0.2572, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **63.2937, 0.2635, 0.4017**, and if you desaturate by 10%, it is **67.2459, 0.2757, 0.3738**.

# Distribution



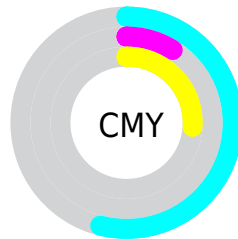
- Red (45%)
- Green (91%)
- Blue (74%)



- Red (45%)
- Yellow (74%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (54%)
- Magenta (9%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0571, 0.2688, 0.3874 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 65.0571, 0.2688, 0.3874 by changing the saturation by 10% instead.





 65.0571, 0.2688,  
0.3874


 65.0571, 0.2688,  
0.3874

442.9971, 0.2900,  
0.3587

 47.5074, 0.2637,  
0.3944


 112.1319, 0.2763,  
0.3771

 33.4369, 0.2574,  
0.4033


 142.4259, 0.2792,  
0.3732

 22.4614, 0.2491,  
0.4149

 177.7366, 0.2817,  
0.3699

 14.1963, 0.2380,  
0.4307

218.4487, 0.2838,  
0.3670

 8.2573, 0.2223,  
0.4537

264.9463, 0.2856,  
0.3646

 4.2600, 0.1986,  
0.4895

317.6140, 0.2873,

 1.8201, 0.1460,

0.3624

0.5609

376.8362, 0.2887,  
0.3605

0.4996, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.0571, 0.2688,  
0.3874

65.0571, 0.2688,  
0.3874

63.2937, 0.2635,  
0.4017

67.2459, 0.2757,  
0.3738

61.9175, 0.2599,  
0.4165

69.8797, 0.2839,  
0.3610


60.8961, 0.2584,  
0.4313


72.9862, 0.2930,  
0.3493


60.1882, 0.2590,  
0.4461

76.5885, 0.3027,  
0.3386


 59.7234, 0.2613,  
0.4605

 80.7081, 0.3127,  
0.3290

 59.7220, 0.2613,  
0.4605

 85.3134, 0.3228,  
0.3204

 85.8524, 0.3171,  
0.3119

 86.1921, 0.3138,  
0.3068

# Harmonies

## Analogous

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



65.0571, 0.3216, 0.4248



65.0571, 0.2688, 0.3874



65.0571, 0.2300, 0.3313

# Triad

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



65.0571, 0.2688, 0.3874



65.0571, 0.2481, 0.2410



65.0571, 0.4238, 0.3613

# Complementary

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



65.0571, 0.2688, 0.3874



32.2055, 0.3983, 0.2796

# 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.



65.0571, 0.4015, 0.3178



65.0571, 0.2688, 0.3874



65.0571, 0.2958, 0.2519

# Square

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



65.0571, 0.2688, 0.3874



65.0571, 0.2194, 0.2501



65.0571, 0.3528, 0.2792



65.0571, 0.4129, 0.4018



# Rectangle

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



65.0571, 0.2688, 0.3874



65.0571, 0.2161, 0.2960



65.0571, 0.3528, 0.2792



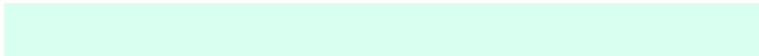
65.0571, 0.4200, 0.3468

# Sweetspot

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



65.0597, 0.2688, 0.3874



92.5528, 0.2977, 0.3439



66.5013, 0.3329, 0.4749



19.6110, 0.2956, 0.3462



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.



65.0597, 0.2688, 0.3874



78.3708, 0.2633, 0.4022



59.9331, 0.2442, 0.3116



16.2387, 0.3032, 0.3381



33.1812, 0.2606, 0.4582



2.4699, 0.2548, 0.4371



# Inverse Universe

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



32.2055, 0.3983, 0.2796



33.3048, 0.4269, 0.2716



34.2772, 0.4460, 0.3446



14.4581, 0.3233, 0.3201



9.9392, 0.5454, 0.2778

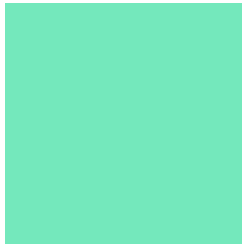


0.7521, 0.5058, 0.2560



# Previews

## White Background



This preview shows how the Yxy color 65.0571, 0.2688, 0.3874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

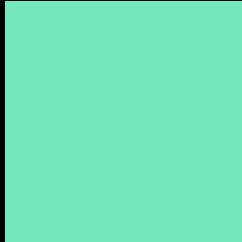
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0571, 0.2688, 0.3874 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 65.0571, 0.2688, 0.3874**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0571, 0.2688, 0.3874.

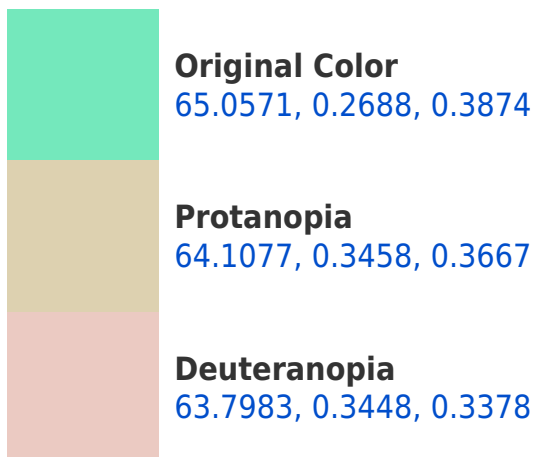


This preview shows how white text looks on a background with the Yxy color 65.0571, 0.2688, 0.3874.

# 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

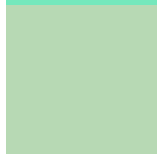
64.6879, 0.2474, 0.3058

# Trichromacy



## Original Color

65.0571, 0.2688, 0.3874



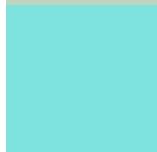
## Protanomaly

62.9883, 0.3127, 0.3746



## Deuteranomaly

62.6007, 0.3115, 0.3543



## Tritanomaly

64.7015, 0.2549, 0.3339

# Monochromacy



## Original Color

65.0571, 0.2688, 0.3874



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.2797, 0.2921, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0571, 0.2688, 0.3874 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(116, 232, 188)` looks like.

```
.text, #text, p{  
    color:rgb(116, 232, 188)  
}
```

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(116, 232, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 232, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0571, 0.2688, 0.3874 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(116, 232, 188) }
```

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

```
.border{ border-color:rgb(116, 232, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 232, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 232, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 232, 188); box-shadow:4px 4px 4px 4px rgb(116, 232, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0571, 0.2688, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 232, 188) }
```

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

```
.background{ background-color: rgb(116,  
232, 188) }
```

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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