

# Converting Colors

$Yxy(66.0213, 0.2586, 0.3461)$

Have a look what the booklet for  
Yxy(66.0213, 0.2586, 0.3461)  
contains.

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# Color

**Yxy(65.9871, 0.2589, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE6D8
RGB	126, 230, 216
RGB Percent	49%, 90%, 85%
CMY	0.5061, 0.0980, 0.1529
CMYK	0.45, 0.00, 0.06, 0.10
HSL	172°, 68%, 70%
HSV	172°, 45%, 90%
XYZ	49.2904, 65.9871, 75.1065
YIQ	197.3080, -57.4900, -26.4020

# Conversions

## Conversions Part 2

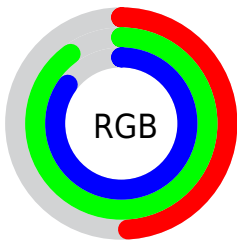
Format	Color
<b>RYB</b>	126, 182, 230
Decimal	8316632
CIELab	84.99, -33.59, -2.59
CIELCh	85, 33.692, 184.414
Yxy	65.9871, 0.2589, 0.3466
Android (android.graphics.Color)	4286506712 (0xFF7EE6D8)
YUV	197.3080, 9.2152, -62.5371
Hunter-Lab	81.2324, -33.8461, 2.0439

# Details

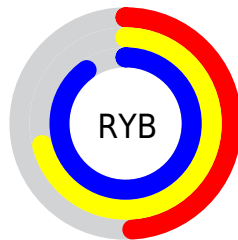
The Yxy color **65.9871, 0.2589, 0.3466** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6268, 0.4174, 0.3132**, and the grayscale version is **55.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **34.0386, 0.2463, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **64.2797, 0.2507, 0.3512**, and if you desaturate by 10%, it is **68.1046, 0.2688, 0.3422**.

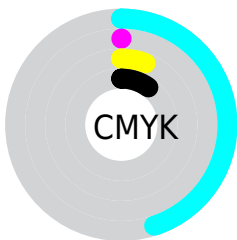
# Distribution



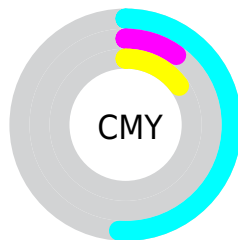
- Red (49%)
- Green (90%)
- Blue (85%)



- Red (49%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)




- Cyan (51%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9871, 0.2589, 0.3466 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 65.9871, 0.2589, 0.3466 by changing the saturation by 10% instead.




 65.9871, 0.2589,  
0.3466


 65.9871, 0.2589,  
0.3466


446.3307, 0.2840,  
0.3386


 48.2619, 0.2531,  
0.3484


 113.4678, 0.2676,  
0.3438

 34.0344, 0.2460,  
0.3506

 143.9922, 0.2710,  
0.3428

 22.9200, 0.2369,  
0.3534


 179.5517, 0.2739,  
0.3418

 14.5344, 0.2251,  
0.3569

220.5308, 0.2765,  
0.3410

 8.4933, 0.2089,  
0.3615

267.3138, 0.2787,  
0.3403

 4.4122, 0.1858,  
0.3679

320.2852, 0.2807,

 1.9067, 0.1497,

0.3397

0.3770

379.8294, 0.2824,  
0.3391

■ 0.5524, 0.0000,  
0.4137

■ 0.0000, 0.0000,  
0.0000

■ 65.9871, 0.2589,  
0.3466

■ 65.9871, 0.2589,  
0.3466

■ 64.2797, 0.2507,  
0.3512

■ 68.1046, 0.2688,  
0.3422

■ 62.9467, 0.2443,  
0.3559

■ 70.6496, 0.2800,  
0.3381

■ 61.9591, 0.2399,  
0.3606

■ 73.6481, 0.2924,  
0.3343

■ 61.2802, 0.2374,  
0.3654


■ 77.1215, 0.3056,  
0.3307


 60.8650, 0.2367,  
0.3701

 81.0900, 0.3193,  
0.3275

 60.7254, 0.2368,  
0.3723

 83.8334, 0.3270,  
0.3245

 84.0135, 0.3250,  
0.3215

 84.1968, 0.3230,  
0.3185

 84.3832, 0.3210,  
0.3155

# Harmonies

## Analogous

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



65.9871, 0.2939, 0.3842



65.9871, 0.2589, 0.3466



65.9871, 0.2387, 0.3062

# Triad

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



65.9871, 0.2589, 0.3466



65.9871, 0.2860, 0.2646



65.9871, 0.3941, 0.3757

# Complementary

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



65.9871, 0.2589, 0.3466



33.6268, 0.4174, 0.3132

# 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.



65.9871, 0.3928, 0.3432



65.9871, 0.2589, 0.3466



65.9871, 0.3279, 0.2818

# Square

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



65.9871, 0.2589, 0.3466



65.9871, 0.2536, 0.2621



65.9871, 0.3679, 0.3097



65.9871, 0.3725, 0.3990



# Rectangle

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



65.9871, 0.2589, 0.3466



65.9871, 0.2354, 0.2844



65.9871, 0.3679, 0.3097



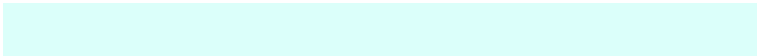
65.9871, 0.3964, 0.3655

# Sweetspot

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



65.9897, 0.2589, 0.3466



93.5410, 0.2939, 0.3338



63.8168, 0.3155, 0.4667



19.8317, 0.2911, 0.3346



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.



65.9897, 0.2589, 0.3466



81.4059, 0.2514, 0.3507



48.5474, 0.2437, 0.2812



16.3013, 0.2999, 0.3322



34.3890, 0.2366, 0.3716



2.5505, 0.2346, 0.3647



# Inverse Universe

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



33.6268, 0.4174, 0.3132



35.8255, 0.4516, 0.3107



44.3024, 0.4138, 0.3712



14.3994, 0.3271, 0.3259



9.5903, 0.6221, 0.3201



0.7189, 0.5885, 0.3016



# Previews

## White Background



This preview shows how the Yxy color 65.9871, 0.2589, 0.3466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

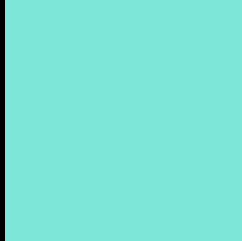
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9871, 0.2589, 0.3466 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 65.9871, 0.2589, 0.3466**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9871, 0.2589, 0.3466.

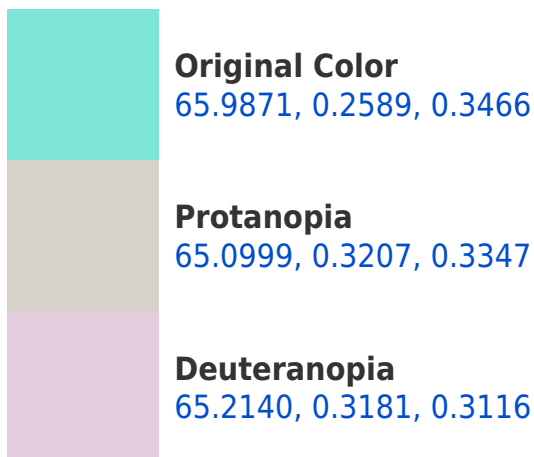


This preview shows how white text looks on a background with the Yxy color 65.9871, 0.2589, 0.3466.

# 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

65.9927, 0.2483, 0.3071

# Trichromacy



## Original Color

65.9871, 0.2589, 0.3466



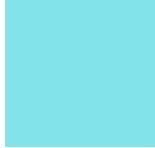
## Protanomaly

64.2964, 0.2940, 0.3385



## Deuteranomaly

64.1548, 0.2924, 0.3231



## Tritanomaly

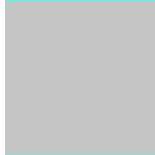
65.7040, 0.2519, 0.3202

# Monochromacy



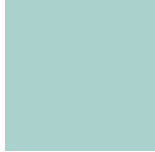
## Original Color

65.9871, 0.2589, 0.3466



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.6185, 0.2887, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9871, 0.2589, 0.3466 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(126, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(126, 230, 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(126, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 230, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9871, 0.2589, 0.3466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

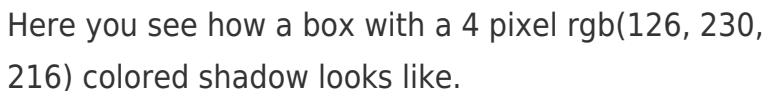
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 230, 216) }
```

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

```
.border{ border-color:rgb(126, 230, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 230, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 230, 216); box-shadow:4px 4px 4px 4px rgb(126, 230, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9871, 0.2589, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 230, 216) }
```

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

```
.background{ background-color: rgb(126,  
230, 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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