

# Converting Colors

$Y_{xy}(65.9782, 0.2677, 0.3424)$

Have a look what the booklet for  
Yxy(65.9782, 0.2677, 0.3424)  
contains.

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# Color

**Yxy(65.9158, 0.2678, 0.3425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91E3D8
RGB	145, 227, 216
RGB Percent	57%, 89%, 85%
CMY	0.4315, 0.1098, 0.1528
CMYK	0.36, 0.00, 0.05, 0.11
HSL	172°, 59%, 73%
HSV	172°, 36%, 89%
XYZ	51.5394, 65.9158, 74.9997
YIQ	201.2280, -45.3410, -20.8050

# Conversions

## Conversions Part 2

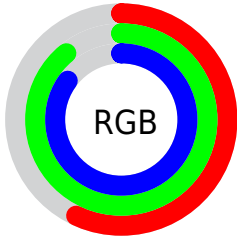
Format	Color
<a href="#">RYB</a>	<a href="#">145, 189, 227</a>
Decimal	<a href="#">9561048</a>
CIELab	<a href="#">84.95, -27.42, -2.57</a>
CIELCh	<a href="#">85, 27.537, 185.359</a>
Yxy	<a href="#">65.9158, 0.2678, 0.3425</a>
Android (android.graphics.Color)	<a href="#">4287751128</a> ( <a href="#">0xFF91E3D8</a> )
YUV	<a href="#">201.2280, 7.2826, -49.3120</a>
Hunter-Lab	<a href="#">81.1885, -28.7661, 2.0616</a>

# Details

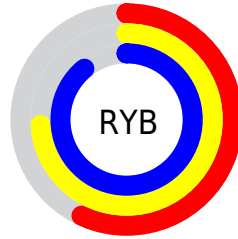
The Yxy color **65.9158, 0.2678, 0.3425** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.9687, 0.3880, 0.3163**, and the grayscale version is **58.5299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **33.8727, 0.2572, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **63.9033, 0.2581, 0.3469**, and if you desaturate by 10%, it is **68.3484, 0.2789, 0.3384**.

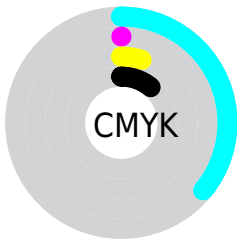
# Distribution



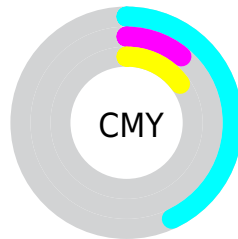
- Red (57%)
- Green (89%)
- Blue (85%)



- Red (57%)
- Yellow (74%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (43%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9158, 0.2678, 0.3425 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 65.9158, 0.2678, 0.3425 by changing the saturation by 10% instead.




 65.9158, 0.2678,  
0.3425

 65.9158, 0.2678,  
0.3425


446.0757, 0.2888,  
0.3363

 48.2041, 0.2630,  
0.3439


 113.3655, 0.2751,  
0.3404

 33.9885, 0.2570,  
0.3456


 143.8722, 0.2780,  
0.3396

 22.8848, 0.2493,  
0.3477


179.4127, 0.2804,  
0.3388

 14.5084, 0.2393,  
0.3504

220.3714, 0.2825,  
0.3382

 8.4751, 0.2256,  
0.3541

267.1326, 0.2844,  
0.3377

 4.4005, 0.2057,  
0.3591

320.0808, 0.2860,

 1.9000, 0.1746,

0.3372

0.3662

379.6004, 0.2875,  
0.3367

0.5484, 0.0000,  
0.4138

0.0000, 0.0000,  
0.0000

65.9158, 0.2678,  
0.3425

65.9158, 0.2678,  
0.3425

63.9033, 0.2581,  
0.3469

68.3484, 0.2789,  
0.3384

62.2783, 0.2500,  
0.3514

71.2159, 0.2912,  
0.3345

61.0162, 0.2438,  
0.3561

74.5419, 0.3044,  
0.3310

60.0860, 0.2395,  
0.3608

78.3460, 0.3180,  
0.3278

■ 59.4517, 0.2372,  
0.3655

■ 81.9837, 0.3296,  
0.3249

■ 59.0685, 0.2366,  
0.3702

■ 82.1569, 0.3275,  
0.3219

■ 58.9583, 0.2367,  
0.3720

■ 82.3330, 0.3255,  
0.3189

■ 82.5122, 0.3235,  
0.3160

■ 82.6943, 0.3215,  
0.3130

# Harmonies

## Analogous

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



65.9158, 0.2966, 0.3727



65.9158, 0.2678, 0.3425



65.9158, 0.2513, 0.3099

# Triad

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



65.9158, 0.2678, 0.3425



65.9158, 0.2920, 0.2758



65.9158, 0.3791, 0.3689

# Complementary

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



65.9158, 0.2678, 0.3425



38.9687, 0.3880, 0.3163

# 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.



65.9158, 0.3783, 0.3423



65.9158, 0.2678, 0.3425



65.9158, 0.3265, 0.2905

# Square

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



65.9158, 0.2678, 0.3425



65.9158, 0.2646, 0.2735



65.9158, 0.3587, 0.3142



65.9158, 0.3612, 0.3869

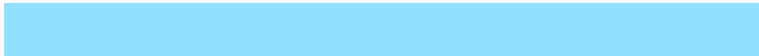


# Rectangle

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



65.9158, 0.2678, 0.3425



65.9158, 0.2488, 0.2921



65.9158, 0.3587, 0.3142



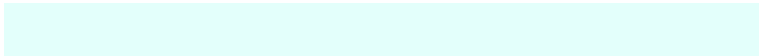
65.9158, 0.3810, 0.3606

# Sweetspot

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



65.9184, 0.2678, 0.3425



94.8236, 0.2978, 0.3327



64.1804, 0.3157, 0.4353



20.1708, 0.2960, 0.3332



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

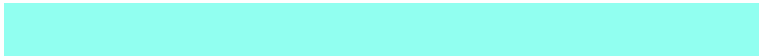


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9184, 0.2678, 0.3425



83.8834, 0.2607, 0.3456



52.0840, 0.2570, 0.2923



16.3015, 0.2999, 0.3321



34.3947, 0.2365, 0.3713



2.5509, 0.2346, 0.3644



# Inverse Universe

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



38.9687, 0.3880, 0.3163



44.1562, 0.4107, 0.3139



48.5227, 0.3876, 0.3627



14.3992, 0.3271, 0.3259



9.5896, 0.6223, 0.3202



0.7187, 0.5889, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 65.9158, 0.2678, 0.3425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

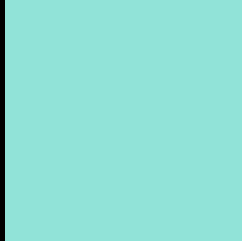
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9158, 0.2678, 0.3425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

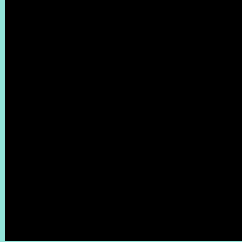
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

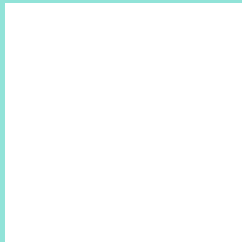
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.9158, 0.2678, 0.3425**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9158, 0.2678, 0.3425.

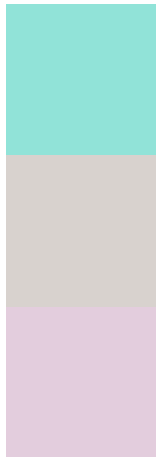


This preview shows how white text looks on a background with the Yxy color 65.9158, 0.2678, 0.3425.

# 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

65.9158, 0.2678, 0.3425

### Protanopia

65.1483, 0.3200, 0.3335

### Deuteranopia

65.2140, 0.3181, 0.3116



## Tritanopia

65.7055, 0.2575, 0.3074

# Trichromacy



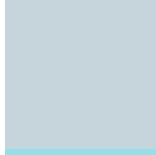
## Original Color

65.9158, 0.2678, 0.3425



## Protanomaly

64.7120, 0.2982, 0.3360



## Deuteranomaly

64.5733, 0.2973, 0.3220



## Tritanomaly

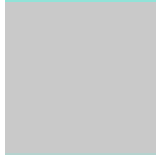
65.5271, 0.2611, 0.3192

# Monochromacy



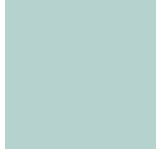
## Original Color

65.9158, 0.2678, 0.3425



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.3732, 0.2944, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9158, 0.2678, 0.3425 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(145, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(145, 227, 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(145, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 227, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9158, 0.2678, 0.3425 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(145, 227, 216) }
```

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

```
.border{ border-color:rgb(145, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(145, 227,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9158, 0.2678, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 227, 216) }
```

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

```
.background{ background-color: rgb(145,  
227, 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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