

# Converting Colors

$Y_{xy}(65.2329, 0.2720, 0.3609)$

Have a look what the booklet for  
Yxy(65.2329, 0.2720, 0.3609)  
contains.

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# Color

**Yxy(65.2876, 0.2717, 0.3608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE4CB
RGB	139, 228, 203
RGB Percent	55%, 89%, 80%
CMY	0.4550, 0.1058, 0.2040
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 62%, 72%
HSV	163°, 39%, 89%
XYZ	49.1647, 65.2876, 66.5000
YIQ	198.5390, -45.0190, -26.6430

# Conversions

## Conversions Part 2

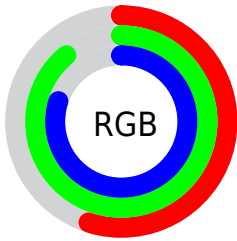
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 191, 228
Decimal	9168075
CIELab	84.63, -32.39, 3.82
CIELCh	85, 32.614, 173.282
Yxy	65.2876, 0.2717, 0.3608
Android (android.graphics.Color)	4287358155 (0xFF8BE4CB)
YUV	198.5390, 2.1993, -52.2157
Hunter-Lab	80.8007, -32.7896, 7.7641

# Details

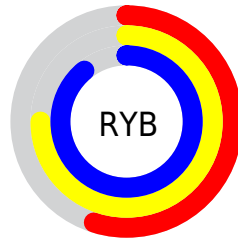
The Yxy color **65.2876, 0.2717, 0.3608** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.6326, 0.3821, 0.3001**, and the grayscale version is **56.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **33.5140, 0.2612, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **63.2292, 0.2637, 0.3706**, and if you desaturate by 10%, it is **67.7732, 0.2810, 0.3516**.

# Distribution



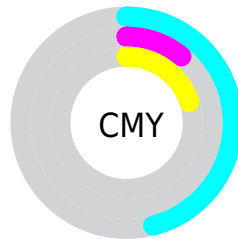
- Red (55%)
- Green (89%)
- Blue (80%)



- Red (55%)
- Yellow (75%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (46%)
- Magenta (11%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2876, 0.2717, 0.3608 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 65.2876, 0.2717, 0.3608 by changing the saturation by 10% instead.





 65.2876, 0.2717,  
0.3608


 65.2876, 0.2717,  
0.3608

443.8248, 0.2911,  
0.3456

 47.6943, 0.2672,  
0.3644


 112.4632, 0.2785,  
0.3554

 33.5849, 0.2615,  
0.3690


 142.8144, 0.2812,  
0.3533

 22.5749, 0.2542,  
0.3748


178.1869, 0.2834,  
0.3516

 14.2799, 0.2446,  
0.3827

218.9653, 0.2854,  
0.3500

 8.3156, 0.2312,  
0.3938

265.5339, 0.2871,  
0.3487

 4.2976, 0.2113,  
0.4107

318.2771, 0.2886,

 1.8414, 0.1787,

0.3475

0.4393

377.5792, 0.2899,  
0.3465

■ 0.5128, 0.0000,  
0.6375

■ 0.0000, 0.0000,  
0.0000

■ 65.2876, 0.2717,  
0.3608

■ 65.2876, 0.2717,  
0.3608

■ 63.2292, 0.2637,  
0.3706

■ 67.7732, 0.2810,  
0.3516

■ 61.5642, 0.2574,  
0.3808


■ 70.7016, 0.2913,  
0.3432

■ 60.2666, 0.2529,  
0.3913

■ 74.0972, 0.3023,  
0.3354


■ 59.3038, 0.2503,  
0.4020


■ 77.9805, 0.3138,  
0.3284

 58.6370, 0.2498,  
0.4127

 82.3706, 0.3255,  
0.3221

 58.2064, 0.2510,  
0.4233

 83.1297, 0.3227,  
0.3159

 58.1704, 0.2512,  
0.4243

 83.5204, 0.3185,  
0.3097

 83.9247, 0.3144,  
0.3036

 83.9727, 0.3139,  
0.3029

# Harmonies

## Analogous

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



65.2876, 0.3093, 0.3921



65.2876, 0.2717, 0.3608



65.2876, 0.2460, 0.3208

# Triad

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



65.2876, 0.2717, 0.3608



65.2876, 0.2736, 0.2636



65.2876, 0.3941, 0.3634

# Complementary

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



65.2876, 0.2717, 0.3608



37.6326, 0.3821, 0.3001

# 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.



65.2876, 0.3839, 0.3306



65.2876, 0.2717, 0.3608



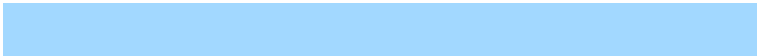
65.2876, 0.3120, 0.2754

# Square

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



65.2876, 0.2717, 0.3608



65.2876, 0.2471, 0.2670



65.2876, 0.3530, 0.2992



65.2876, 0.3809, 0.3904



# Rectangle

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



65.2876, 0.2717, 0.3608



65.2876, 0.2383, 0.2968



65.2876, 0.3530, 0.2992



65.2876, 0.3934, 0.3527

# Sweetspot

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



65.2902, 0.2717, 0.3608



94.1097, 0.2989, 0.3377



65.2696, 0.3237, 0.4424



20.0180, 0.2975, 0.3387



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.



65.2902, 0.2717, 0.3608



81.9206, 0.2650, 0.3688



56.5515, 0.2551, 0.3044



16.2637, 0.3019, 0.3357



33.6074, 0.2507, 0.4226



2.4991, 0.2465, 0.4072



# Inverse Universe

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



37.6326, 0.3821, 0.3001



41.4882, 0.4047, 0.2942



42.9023, 0.4012, 0.3518



14.4343, 0.3248, 0.3224



9.7560, 0.5822, 0.2981



0.7364, 0.5405, 0.2751



# Previews

## White Background



This preview shows how the Yxy color 65.2876, 0.2717, 0.3608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

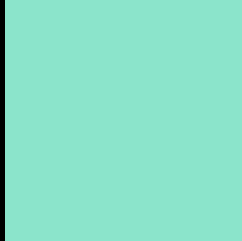
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2876, 0.2717, 0.3608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

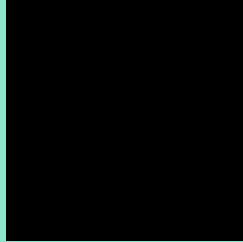
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

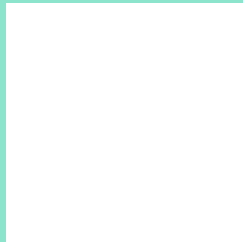
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2876, 0.2717, 0.3608**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2876, 0.2717, 0.3608.

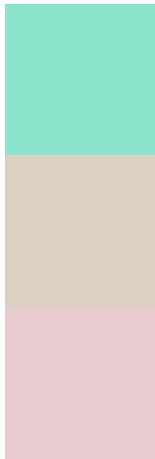


This preview shows how white text looks on a background with the Yxy color 65.2876, 0.2717, 0.3608.

# 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**

65.2876, 0.2717, 0.3608

**Protanopia**

64.3566, 0.3310, 0.3472

**Deuteranopia**

64.2549, 0.3309, 0.3236



## Tritanopia

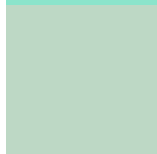
65.3625, 0.2564, 0.3085

# Trichromacy



## Original Color

65.2876, 0.2717, 0.3608



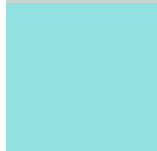
## Protanomaly

63.9618, 0.3059, 0.3518



## Deuteranomaly

63.5490, 0.3065, 0.3360



## Tritanomaly

65.4162, 0.2618, 0.3264

# Monochromacy



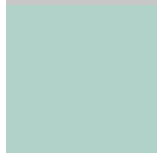
## Original Color

65.2876, 0.2717, 0.3608



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.6104, 0.2955, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2876, 0.2717, 0.3608 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(139, 228, 203)` looks like.

```
.text, #text, p{  
    color:rgb(139, 228, 203)  
}
```

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(139, 228, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 228, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2876, 0.2717, 0.3608 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(139, 228, 203) }
```

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

```
.border{ border-color:rgb(139, 228, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 228, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 228, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 228, 203);  
box-shadow:4px 4px 4px 4px rgb(139, 228,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2876, 0.2717, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 228, 203) }
```

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

```
.background{ background-color: rgb(139,  
228, 203) }
```

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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