

# Converting Colors

$Yxy(64.8063, 0.2635, 0.3386)$

Have a look what the booklet for  
Yxy(64.8063, 0.2635, 0.3386)  
contains.

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# Color

**Yxy(64.9436, 0.2635, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE2DA
RGB	139, 226, 218
RGB Percent	55%, 89%, 85%
CMY	0.4550, 0.1137, 0.1452
CMYK	0.39, 0.00, 0.04, 0.11
HSL	174°, 60%, 72%
HSV	174°, 39%, 89%
XYZ	50.4947, 64.9436, 76.1923
YIQ	199.0750, -49.2840, -20.9320

# Conversions

## Conversions Part 2

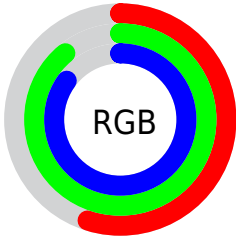
Format	Color
<a href="#">RYB</a>	<a href="#">139, 185, 226</a>
Decimal	<a href="#">9167578</a>
CIELab	<a href="#">84.45, -28.04, -4.36</a>
CIELCh	<a href="#">84, 28.378, 188.844</a>
Yxy	<a href="#">64.9436, 0.2635, 0.3389</a>
Android (android.graphics.Color)	<a href="#">4287357658</a> ( <a href="#">0xFF8BE2DA</a> )
YUV	<a href="#">199.0750, 9.3300, -52.6858</a>
Hunter-Lab	<a href="#">80.5876, -29.1836, 0.3550</a>

# Details

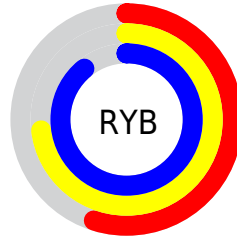
The Yxy color **64.9436, 0.2635, 0.3389** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.7379, 0.3992, 0.3198**, and the grayscale version is **57.1246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **33.2328, 0.2517, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **63.0895, 0.2538, 0.3419**, and if you desaturate by 10%, it is **67.2064, 0.2747, 0.3361**.

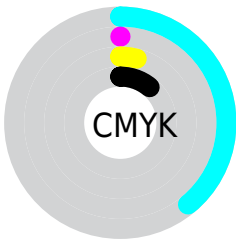
# Distribution



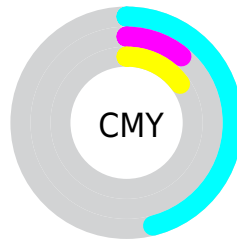
- Red (55%)
- Green (89%)
- Blue (85%)



- Red (55%)
- Yellow (73%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (46%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9436, 0.2635, 0.3389 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 64.9436, 0.2635, 0.3389 by changing the saturation by 10% instead.





 64.9436, 0.2635,  
0.3389

 64.9436, 0.2635,  
0.3389


442.5893, 0.2865,  
0.3345

 47.4153, 0.2582,  
0.3398


 111.9688, 0.2715,  
0.3374

 33.3641, 0.2516,  
0.3410


 142.2345, 0.2746,  
0.3368

 22.4055, 0.2433,  
0.3423


177.5148, 0.2773,  
0.3363

 14.1552, 0.2324,  
0.3440

218.1941, 0.2796,  
0.3359

 8.2287, 0.2174,  
0.3461

264.6568, 0.2816,  
0.3355

 4.2416, 0.1959,  
0.3487

317.2873, 0.2834,

 1.8096, 0.1624,

0.3351

376.4700, 0.2851,  
0.3348

0.3514

0.4932, 0.0000,  
0.3694

0.0000, 0.0000,  
0.0000

64.9436, 0.2635,  
0.3389

64.9436, 0.2635,  
0.3389

63.0895, 0.2538,  
0.3419

67.2064, 0.2747,  
0.3361

61.6113, 0.2458,  
0.3450


69.8929, 0.2872,  
0.3334


60.4839, 0.2398,  
0.3481


73.0268, 0.3007,  
0.3309

59.6757, 0.2357,  
0.3513


76.6279, 0.3149,  
0.3287


 59.1494, 0.2335,  
0.3545

 80.7147, 0.3294,  
0.3267

 58.8503, 0.2328,  
0.3576

 81.3979, 0.3302,  
0.3246

 58.8134, 0.2328,  
0.3581

 81.5161, 0.3288,  
0.3225

 81.6356, 0.3274,  
0.3205

 81.7565, 0.3260,  
0.3184

# Harmonies

## Analogous

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



64.9436, 0.2920, 0.3713



64.9436, 0.2635, 0.3389



64.9436, 0.2482, 0.3056

# Triad

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



64.9436, 0.2635, 0.3389



64.9436, 0.2952, 0.2752



64.9436, 0.3802, 0.3729

# Complementary

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



64.9436, 0.2635, 0.3389



36.7379, 0.3992, 0.3198

# 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.



64.9436, 0.3819, 0.3460



64.9436, 0.2635, 0.3389



64.9436, 0.3312, 0.2916

# Square

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



64.9436, 0.2635, 0.3389



64.9436, 0.2656, 0.2712



64.9436, 0.3635, 0.3169



64.9436, 0.3597, 0.3902

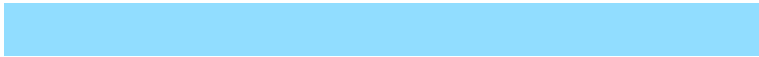


# Rectangle

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



64.9436, 0.2635, 0.3389



64.9436, 0.2469, 0.2881



64.9436, 0.3635, 0.3169



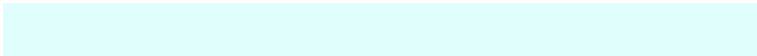
64.9436, 0.3830, 0.3646

# Sweetspot

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



64.9462, 0.2635, 0.3389



94.4709, 0.2958, 0.3318



62.5278, 0.3128, 0.4444



20.1034, 0.2940, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

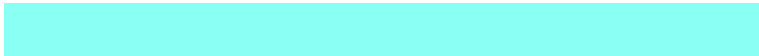


# Same Dimension

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



64.9462, 0.2635, 0.3389



83.4406, 0.2558, 0.3412



48.3276, 0.2526, 0.2836



15.5494, 0.2994, 0.3312



33.5596, 0.2327, 0.3576



2.3326, 0.2313, 0.3527



# Inverse Universe

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



36.7379, 0.3992, 0.3198



41.5055, 0.4267, 0.3181



48.2265, 0.3921, 0.3699



13.7210, 0.3278, 0.3269



9.2624, 0.6292, 0.3240

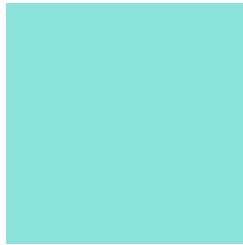


0.6492, 0.6020, 0.3090



# Previews

## White Background



This preview shows how the Yxy color 64.9436, 0.2635, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

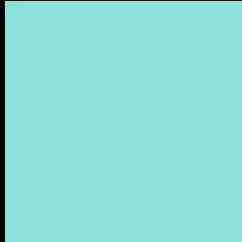
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9436, 0.2635, 0.3389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

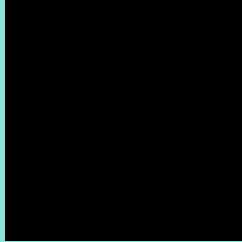
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

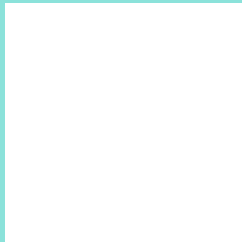
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9436, 0.2635, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9436, 0.2635, 0.3389.

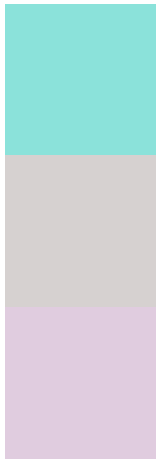


This preview shows how white text looks on a background with the Yxy color 64.9436, 0.2635, 0.3389.

# 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**

64.9436, 0.2635, 0.3389

**Protanopia**

64.4511, 0.3172, 0.3301

**Deuteranopia**

64.3607, 0.3144, 0.3083



## Tritanopia

65.1460, 0.2544, 0.3072

# Trichromacy



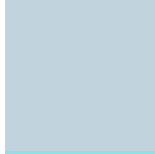
## Original Color

64.9436, 0.2635, 0.3389



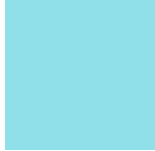
## Protanomaly

63.9191, 0.2948, 0.3325



## Deuteranomaly

63.6449, 0.2932, 0.3185



## Tritanomaly

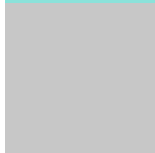
65.0341, 0.2575, 0.3179

# Monochromacy



## Original Color

64.9436, 0.2635, 0.3389



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.4043, 0.2916, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9436, 0.2635, 0.3389 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, 226, 218)` looks like.

```
.text, #text, p{  
    color:rgb(139, 226, 218)  
}
```

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, 226, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 226, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9436, 0.2635, 0.3389 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, 226, 218) }
```

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

```
.border{ border-color:rgb(139, 226, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 226, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 226, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 226, 218);  
box-shadow:4px 4px 4px 4px rgb(139, 226,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9436, 0.2635, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 226, 218) }
```

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

```
.background{ background-color: rgb(139,  
226, 218) }
```

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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