

# Converting Colors

$Yxy(65.6456, 0.2744, 0.3343)$

Have a look what the booklet for  
Yxy(65.6456, 0.2744, 0.3343)  
contains.

<b>Yxy(65.3634, 0.2741, 0.3338)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(65.3634, 0.2741, 0.3338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0DFDB
RGB	160, 223, 219
RGB Percent	63%, 87%, 86%
CMY	0.3724, 0.1255, 0.1413
CMYK	0.28, 0.00, 0.02, 0.13
HSL	176°, 50%, 75%
HSV	176°, 28%, 87%
XYZ	53.6732, 65.3634, 76.7795
YIQ	203.7070, -36.2640, -14.6000

# Conversions

## Conversions Part 2

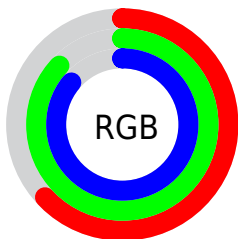
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 193, 223
Decimal	10543067
CIELab	84.67, -20.65, -4.45
CIELCh	85, 21.120, 192.151
Yxy	65.3634, 0.2741, 0.3338
Android (android.graphics.Color)	4288733147 (0xFFA0DFDB)
YUV	203.7070, 7.5394, -38.3310
Hunter-Lab	80.8476, -22.9807, 0.2867

# Details

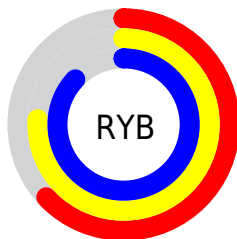
The Yxy color **65.3634, 0.2741, 0.3338** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5280, 0.3705, 0.3244**, and the grayscale version is **60.1631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **33.7498, 0.2648, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **63.1944, 0.2626, 0.3357**, and if you desaturate by 10%, it is **67.9505, 0.2869, 0.3320**.

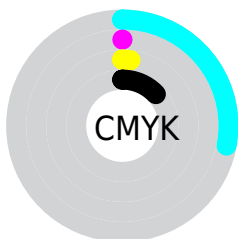
# Distribution



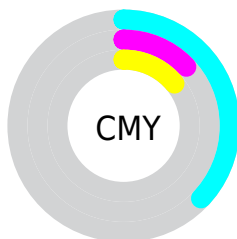
- Red (63%)
- Green (87%)
- Blue (86%)



- Red (63%)
- Yellow (76%)
- Blue (87%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)




- Cyan (37%)
- Magenta (13%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3634, 0.2741, 0.3338 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 65.3634, 0.2741, 0.3338 by changing the saturation by 10% instead.




 65.3634, 0.2741,  
0.3338

 65.3634, 0.2741,  
0.3338


444.0967, 0.2922,  
0.3318

 47.7558, 0.2699,  
0.3342

 112.5722, 0.2804,  
0.3331

 33.6335, 0.2648,  
0.3347


 142.9421, 0.2828,  
0.3329

 22.6122, 0.2582,  
0.3353


178.3350, 0.2849,  
0.3326

 14.3074, 0.2495,  
0.3360

219.1351, 0.2868,  
0.3324

 8.3348, 0.2376,  
0.3368

265.7270, 0.2884,  
0.3322

 4.3099, 0.2203,  
0.3376

318.4949, 0.2898,

 1.8484, 0.1930,

0.3320

377.8234, 0.2910,  
0.3319

0.3380

0.5171, 0.0000,  
0.3718

0.0000, 0.0000,  
0.0000

65.3634, 0.2741,  
0.3338

65.3634, 0.2741,  
0.3338

63.1944, 0.2626,  
0.3357

67.9505, 0.2869,  
0.3320

61.4137, 0.2526,  
0.3378

70.9683, 0.3008,  
0.3303


59.9997, 0.2444,  
0.3399

74.4385, 0.3153,  
0.3287


58.9256, 0.2381,  
0.3421


78.3788, 0.3303,  
0.3273


 58.1612, 0.2337,  
0.3442

 79.5325, 0.3335,  
0.3260


 57.6706, 0.2312,  
0.3464


 79.6114, 0.3325,  
0.3245

 57.4021, 0.2303,  
0.3485

 79.6909, 0.3315,  
0.3231

 57.3642, 0.2302,  
0.3489

 79.7711, 0.3305,  
0.3217

 79.8519, 0.3296,  
0.3203

# Harmonies

## Analogous

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



65.3634, 0.2949, 0.3577



65.3634, 0.2741, 0.3338



65.3634, 0.2636, 0.3097

# Triad

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



65.3634, 0.2741, 0.3338



65.3634, 0.3027, 0.2892



65.3634, 0.3618, 0.3641

# Complementary

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



65.3634, 0.2741, 0.3338



43.5280, 0.3705, 0.3244

# 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.



65.3634, 0.3645, 0.3448



65.3634, 0.2741, 0.3338



65.3634, 0.3295, 0.3027

# Square

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



65.3634, 0.2741, 0.3338



65.3634, 0.2796, 0.2853



65.3634, 0.3525, 0.3226



65.3634, 0.3456, 0.3751



# Rectangle

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



65.3634, 0.2741, 0.3338



65.3634, 0.2635, 0.2970



65.3634, 0.3525, 0.3226



65.3634, 0.3644, 0.3583

# Sweetspot

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



65.3660, 0.2741, 0.3338



96.2502, 0.3010, 0.3303



63.2331, 0.3118, 0.4099



20.4602, 0.2989, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

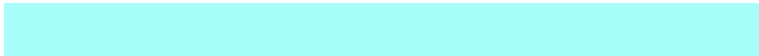


# Same Dimension

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



65.3660, 0.2741, 0.3338



86.7450, 0.2670, 0.3350



52.1590, 0.2683, 0.2946



15.5564, 0.2990, 0.3305



33.7357, 0.2302, 0.3485



2.3430, 0.2292, 0.3452



# Inverse Universe

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



43.5280, 0.3705, 0.3244



52.4266, 0.3881, 0.3234



53.9062, 0.3658, 0.3610



13.7147, 0.3282, 0.3275



9.2491, 0.6329, 0.3260



0.6462, 0.6130, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 65.3634, 0.2741, 0.3338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

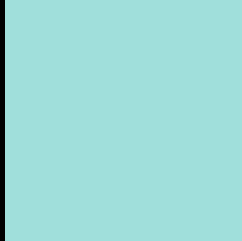
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3634, 0.2741, 0.3338 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

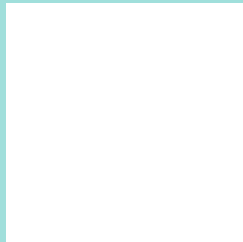
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.3634, 0.2741, 0.3338**

## Background



This preview shows how black text looks on a background with the Yxy color 65.3634, 0.2741, 0.3338.

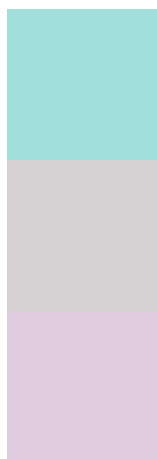


This preview shows how white text looks on a background with the Yxy color 65.3634, 0.2741, 0.3338.

# 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

65.3634, 0.2741, 0.3338

### Protanopia

65.0925, 0.3150, 0.3279

### Deuteranopia

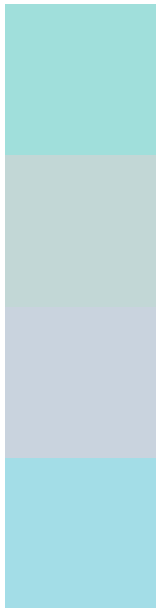
64.5210, 0.3152, 0.3083



## Tritanopia

65.2520, 0.2656, 0.3076

# Trichromacy



**Original Color**

65.3634, 0.2741, 0.3338

**Protanomaly**

64.9253, 0.2984, 0.3301

**Deuteranomaly**

64.2800, 0.2981, 0.3164

**Tritanomaly**

65.2690, 0.2689, 0.3169

# Monochromacy



**Original Color**

65.3634, 0.2741, 0.3338

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

61.8833, 0.2974, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3634, 0.2741, 0.3338 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(160, 223, 219)` looks like.

```
.text, #text, p{  
    color:rgb(160, 223, 219)  
}
```

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(160, 223, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 223, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3634, 0.2741, 0.3338 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(160, 223, 219) }
```

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

```
.border{ border-color:rgb(160, 223, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 223, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 223, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 223, 219); box-shadow:4px 4px 4px 4px rgb(160, 223, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3634, 0.2741, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 223, 219) }
```

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

```
.background{ background-color: rgb(160,  
223, 219) }
```

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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