

# Converting Colors

$Yxy(68.1792, 0.2661, 0.3219)$

Have a look what the booklet for  
Yxy(68.1792, 0.2661, 0.3219)  
contains.

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# Color

**Yxy(68.0905, 0.2659, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EE3E9
RGB	158, 227, 233
RGB Percent	62%, 89%, 91%
CMY	0.3804, 0.1098, 0.0862
CMYK	0.32, 0.03, 0.00, 0.09
HSL	185°, 63%, 77%
HSV	185°, 32%, 91%
XYZ	56.2800, 68.0905, 87.2879
YIQ	207.0530, -43.0500, -12.7620

# Conversions

## Conversions Part 2

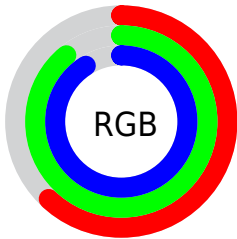
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 194, 233
Decimal	10413033
CIE <sub>Lab</sub>	86.05, -20.01, -9.84
CIE <sub>LCh</sub>	86, 22.303, 206.184
Yxy	68.0905, 0.2659, 0.3217
Android (android.graphics.Color)	4288603113 (0xFF9EE3E9)
YUV	207.0530, 12.7919, -43.0195
Hunter-Lab	82.5170, -22.6604, -4.9561

# Details

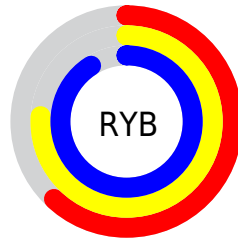
The Yxy color **68.0905, 0.2659, 0.3217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3567, 0.3848, 0.3361**, and the grayscale version is **62.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **35.1837, 0.2550, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **64.9316, 0.2537, 0.3191**, and if you desaturate by 10%, it is **71.7140, 0.2794, 0.3242**.

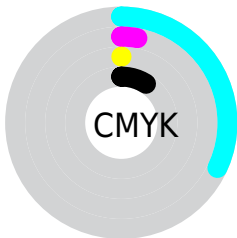
# Distribution



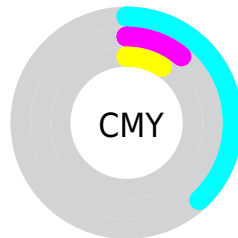
- Red (62%)
- Green (89%)
- Blue (91%)



- Red (62%)
- Yellow (76%)
- Blue (91%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)




- Cyan (38%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0905, 0.2659, 0.3217 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 68.0905, 0.2659, 0.3217 by changing the saturation by 10% instead.



 68.0905, 0.2659,  
0.3217

 68.0905, 0.2659,  
0.3217


453.8166, 0.2875,  
0.3255

 49.9714, 0.2610,  
0.3207


 116.4816, 0.2734,  
0.3231

 35.3906, 0.2549,  
0.3195


 147.5224, 0.2763,  
0.3236

 23.9639, 0.2473,  
0.3178


183.6391, 0.2788,  
0.3241

 15.3069, 0.2374,  
0.3154

225.2162, 0.2810,  
0.3244

 9.0350, 0.2240,  
0.3119

272.6382, 0.2829,  
0.3248

 4.7640, 0.2050,  
0.3064

326.2893, 0.2846,

 2.1095, 0.1761,

0.3251

386.5539, 0.2861,  
0.3253

0.2963

0.6700, 0.0641,  
0.2900

0.0000, 0.0000,  
0.0000

68.0905, 0.2659,  
0.3217

68.0905, 0.2659,  
0.3217

64.9316, 0.2537,  
0.3191

71.7140, 0.2794,  
0.3242

62.2037, 0.2430,  
0.3164

75.8173, 0.2940,  
0.3264

59.8815, 0.2342,  
0.3137

80.4251, 0.3093,  
0.3286

57.9338, 0.2272,  
0.3109

85.5576, 0.3250,  
0.3305

■ 56.3245, 0.2222,  
0.3081

■ 87.3439, 0.3274,  
0.3323

■ 55.0102, 0.2191,  
0.3054

■ 88.4296, 0.3272,  
0.3341

■ 54.1359, 0.2176,  
0.3033

■ 89.5266, 0.3270,  
0.3360

■ 90.6350, 0.3268,  
0.3378

■ 91.7548, 0.3267,  
0.3396

# Harmonies

## Analogous

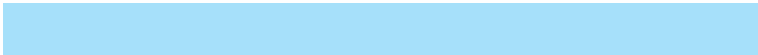
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0905, 0.2829, 0.3478



68.0905, 0.2659, 0.3217



68.0905, 0.2610, 0.2992

# Triad

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



68.0905, 0.2659, 0.3217



68.0905, 0.3153, 0.2931



68.0905, 0.3575, 0.3723

# Complementary

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



68.0905, 0.2659, 0.3217



46.3567, 0.3848, 0.3361

# 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.



68.0905, 0.3673, 0.3555



68.0905, 0.2659, 0.3217



68.0905, 0.3424, 0.3107

# Square

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



68.0905, 0.2659, 0.3217



68.0905, 0.2886, 0.2841



68.0905, 0.3618, 0.3331



68.0905, 0.3356, 0.3779

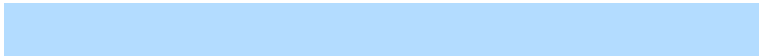


# Rectangle

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



68.0905, 0.2659, 0.3217



68.0905, 0.2649, 0.2891



68.0905, 0.3618, 0.3331



68.0905, 0.3623, 0.3677

# Sweetspot

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



68.0932, 0.2659, 0.3217



94.1805, 0.2972, 0.3269



68.2075, 0.3054, 0.4178



19.9944, 0.2951, 0.3266



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.



68.0932, 0.2659, 0.3217



80.7720, 0.2572, 0.3199



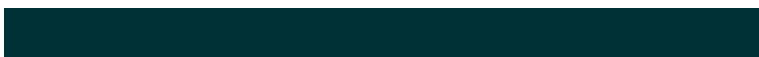
50.2025, 0.2603, 0.2761



16.9028, 0.2981, 0.3270



30.7957, 0.2177, 0.3037



2.4796, 0.2188, 0.3075



# Inverse Universe

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



47.3277, 0.3215, 0.2549



51.6023, 0.3238, 0.2392



61.3448, 0.3718, 0.3766



15.2917, 0.3150, 0.3076



12.6016, 0.3422, 0.1658

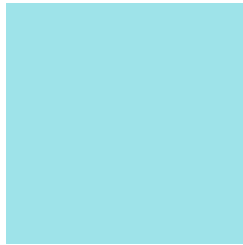


0.9957, 0.3389, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 68.0905, 0.2659, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

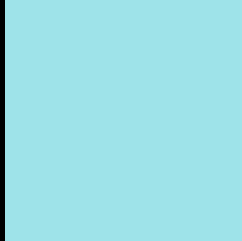
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0905, 0.2659, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

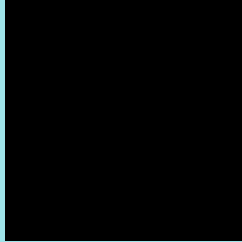
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.0905, 0.2659, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0905, 0.2659, 0.3217.

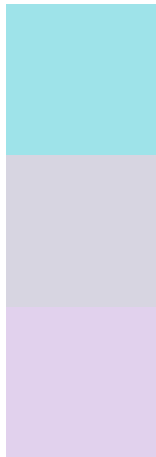


This preview shows how white text looks on a background with the Yxy color 68.0905, 0.2659, 0.3217.

# 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

68.0905, 0.2659, 0.3217

### Protanopia

67.4718, 0.3061, 0.3157

### Deuteranopia

67.7229, 0.3054, 0.2991



## Tritanopia

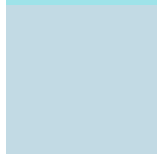
67.7951, 0.2615, 0.3078

# Trichromacy



## Original Color

68.0905, 0.2659, 0.3217



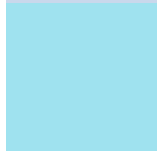
## Protanomaly

67.2136, 0.2897, 0.3175



## Deuteranomaly

67.5854, 0.2894, 0.3066



## Tritanomaly

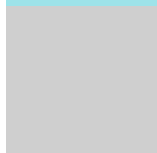
67.9956, 0.2632, 0.3136

# Monochromacy



## Original Color

68.0905, 0.2659, 0.3217



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

63.8698, 0.2937, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  68.0905, 0.2659, 0.3217 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(158, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(158, 227, 233)  
}
```

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(158, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 227, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0905, 0.2659, 0.3217 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(158, 227, 233) }
```

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

```
.border{ border-color:rgb(158, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 227, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 227, 233);  
box-shadow:4px 4px 4px 4px rgb(158, 227,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0905, 0.2659, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 227, 233) }
```

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

```
.background{ background-color: rgb(158,  
227, 233) }
```

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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