

# Converting Colors

$Yxy(59.2218, 0.2697, 0.3251)$

Have a look what the booklet for  
Yxy(59.2218, 0.2697, 0.3251)  
contains.

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# Color

**Yxy(59.2218, 0.2697, 0.3251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98D5D8
RGB	152, 213, 216
RGB Percent	60%, 84%, 85%
CMY	0.4042, 0.1646, 0.1529
CMYK	0.30, 0.01, 0.00, 0.15
HSL	183°, 45%, 72%
HSV	183°, 30%, 85%
XYZ	49.1299, 59.2218, 73.8132
YIQ	195.1030, -37.3190, -11.9990

# Conversions

## Conversions Part 2

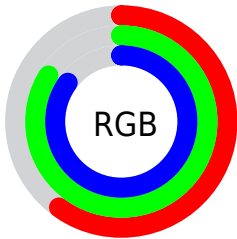
Format	Color
R <sub>YB</sub>	152, 183, 216
Decimal	10016216
CIE Lab	81.41, -18.61, -7.74
CIE LCh	81, 20.158, 202.577
Yxy	59.2218, 0.2697, 0.3251
Android (android.graphics.Color)	4288206296 (0xFF98D5D8)
YUV	195.1030, 10.3022, -37.8013
Hunter-Lab	76.9557, -20.7150, -2.9999

# Details

The Yxy color **59.2218, 0.2697, 0.3251** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.2862, 0.3776, 0.3329**, and the grayscale version is **54.5862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **29.6236, 0.2590, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **56.8208, 0.2574, 0.3236**, and if you desaturate by 10%, it is **62.0102, 0.2833, 0.3265**.

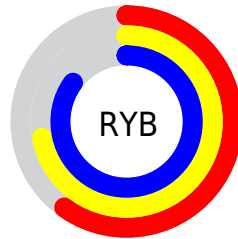
# Distribution



Red (60%)

Green (84%)

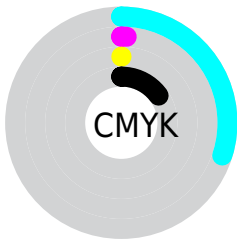
Blue (85%)



Red (60%)

Yellow (72%)

Blue (85%)

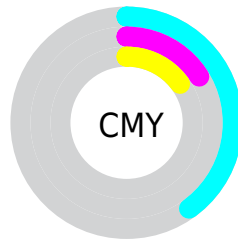


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (15%)



Cyan (40%)

Magenta (16%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2218, 0.2697, 0.3251 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 59.2218, 0.2697, 0.3251 by changing the saturation by 10% instead.





 59.2218, 0.2697,  
0.3251


 59.2218, 0.2697,  
0.3251


421.7234, 0.2901,  
0.3273

 42.7917, 0.2649,  
0.3245


 103.7000, 0.2769,  
0.3260

 29.7217, 0.2590,  
0.3237


 132.5168, 0.2796,  
0.3263

 19.6275, 0.2513,  
0.3225


166.2313, 0.2820,  
0.3265

 12.1245, 0.2412,  
0.3209

205.2280, 0.2840,  
0.3267

 6.8285, 0.2272,  
0.3183

249.8911, 0.2858,  
0.3269

 3.3551, 0.2064,  
0.3137

300.6051, 0.2874,

 1.3198, 0.1724,

0.3271

0.3047

357.7544, 0.2888,  
0.3272

0.1565, 0.0000,  
0.1803

0.0000, 0.0000,  
0.0000

59.2218, 0.2697,  
0.3251

59.2218, 0.2697,  
0.3251

56.8208, 0.2574,  
0.3236

62.0102, 0.2833,  
0.3265

54.7795, 0.2467,  
0.3221


65.1979, 0.2979,  
0.3278

53.0777, 0.2378,  
0.3205

68.8051, 0.3132,  
0.3290


51.6901, 0.2308,  
0.3189


72.8486, 0.3290,  
0.3301

 50.5881, 0.2257,  
0.3173

 76.3943, 0.3413,  
0.3312


 49.7378, 0.2225,  
0.3158


 76.9198, 0.3411,  
0.3322

 49.0806, 0.2207,  
0.3143

 77.4484, 0.3409,  
0.3332

 49.0594, 0.2206,  
0.3142

 77.9803, 0.3408,  
0.3342

 78.5154, 0.3406,  
0.3352

# Harmonies

## Analogous

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



59.2218, 0.2871, 0.3496



59.2218, 0.2697, 0.3251



59.2218, 0.2635, 0.3030

# Triad

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



59.2218, 0.2697, 0.3251



59.2218, 0.3120, 0.2934



59.2218, 0.3569, 0.3686

# Complementary

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



59.2218, 0.2697, 0.3251



40.2862, 0.3776, 0.3329

# 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.



59.2218, 0.3645, 0.3518



59.2218, 0.2697, 0.3251



59.2218, 0.3380, 0.3093

# Square

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



59.2218, 0.2697, 0.3251



59.2218, 0.2872, 0.2860



59.2218, 0.3576, 0.3303



59.2218, 0.3374, 0.3753



# Rectangle

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



59.2218, 0.2697, 0.3251



59.2218, 0.2663, 0.2926



59.2218, 0.3576, 0.3303



59.2218, 0.3610, 0.3639

# Sweetspot

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



59.2242, 0.2697, 0.3251



95.2216, 0.2988, 0.3279



58.1221, 0.3073, 0.4122



20.2263, 0.2966, 0.3277



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.



59.2242, 0.2697, 0.3251



83.8404, 0.2613, 0.3241



45.0179, 0.2652, 0.2840



14.0037, 0.2983, 0.3279



29.0807, 0.2207, 0.3145



1.7854, 0.2214, 0.3171



# Inverse Universe

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



41.8421, 0.3188, 0.2587



54.4722, 0.3203, 0.2432



52.0298, 0.3668, 0.3701



12.6222, 0.3145, 0.3071



11.2806, 0.3329, 0.1608

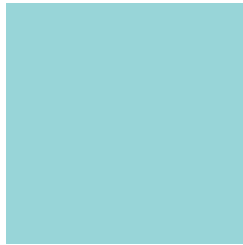


0.6836, 0.3306, 0.1595



# Previews

## White Background



This preview shows how the Yxy color 59.2218, 0.2697, 0.3251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

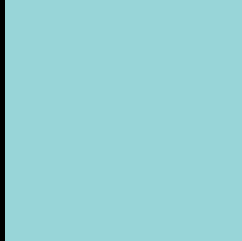
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.2218, 0.2697, 0.3251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

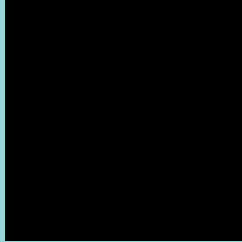
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

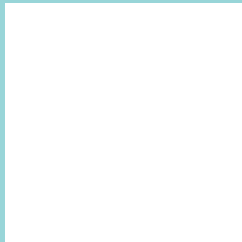
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.2218, 0.2697, 0.3251**

## Background



This preview shows how black text looks on a background with the Yxy color 59.2218, 0.2697, 0.3251.

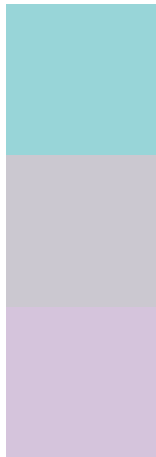


This preview shows how white text looks on a background with the Yxy color 59.2218, 0.2697, 0.3251.

# 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

59.2218, 0.2697, 0.3251

### Protanopia

58.5591, 0.3093, 0.3196

### Deuteranopia

58.7933, 0.3085, 0.3018



## Tritanopia

59.1585, 0.2645, 0.3079

# Trichromacy



**Original Color**

59.2218, 0.2697, 0.3251

**Protanomaly**

58.5561, 0.2931, 0.3217

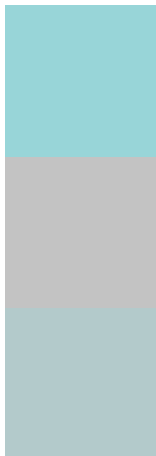
**Deuteranomaly**

58.4319, 0.2928, 0.3088

**Tritanomaly**

59.3388, 0.2663, 0.3140

# Monochromacy



**Original Color**

59.2218, 0.2697, 0.3251

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

56.1366, 0.2947, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2218, 0.2697, 0.3251 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(152, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(152, 213, 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(152, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 213, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2218, 0.2697, 0.3251 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(152, 213, 216) }
```

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

```
.border{ border-color:rgb(152, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(152, 213,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2218, 0.2697, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 213, 216) }
```

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

```
.background{ background-color: rgb(152,  
213, 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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