

# Converting Colors

$Y_{xy}(59.8120, 0.2702, 0.3407)$

Have a look what the booklet for  
Yxy(59.8120, 0.2702, 0.3407)  
contains.

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# Color

**Yxy(60.0600, 0.2707, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D9CF
RGB	144, 217, 207
RGB Percent	56%, 85%, 81%
CMY	0.4352, 0.1490, 0.1882
CMYK	0.34, 0.00, 0.05, 0.15
HSL	172°, 49%, 71%
HSV	172°, 34%, 85%
XYZ	47.5805, 60.0600, 68.1278
YIQ	194.0330, -40.2980, -18.5860

# Conversions

## Conversions Part 2

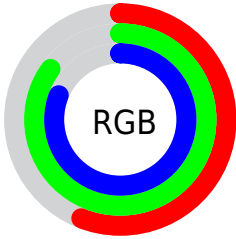
Format	Color
<b>RYB</b>	144, 183, 217
Decimal	9492943
CIELab	81.87, -24.85, -2.32
CIELCh	82, 24.956, 185.330
Yxy	60.0600, 0.2707, 0.3417
Android (android.graphics.Color)	4287683023 (0xFF90D9CF)
YUV	194.0330, 6.3927, -43.8789
Hunter-Lab	77.4984, -26.0314, 2.1279

# Details

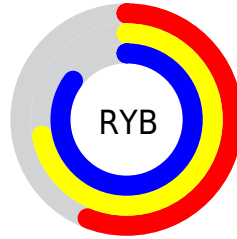
The Yxy color **60.0600, 0.2707, 0.3417** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0363, 0.3802, 0.3170**, and the grayscale version is **53.9524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **30.3142, 0.2601, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **58.1485, 0.2606, 0.3461**, and if you desaturate by 10%, it is **62.3546, 0.2821, 0.3376**.

# Distribution



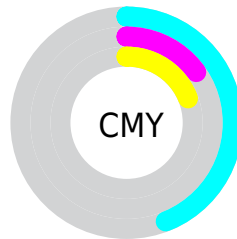
- Red (56%)
- Green (85%)
- Blue (81%)



- Red (56%)
- Yellow (72%)
- Blue (85%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)




- Cyan (44%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0600, 0.2707, 0.3417 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 60.0600, 0.2707, 0.3417 by changing the saturation by 10% instead.





 60.0600, 0.2707,  
0.3417


 60.0600, 0.2707,  
0.3417

424.8189, 0.2907,  
0.3358

 43.4670, 0.2660,  
0.3431


 104.9167, 0.2777,  
0.3396

 30.2517, 0.2601,  
0.3447


 133.9492, 0.2804,  
0.3388

 20.0297, 0.2526,  
0.3468

167.8970, 0.2828,  
0.3382

 12.4166, 0.2426,  
0.3496

207.1444, 0.2848,  
0.3376

 7.0281, 0.2285,  
0.3534

252.0759, 0.2865,  
0.3370

 3.4797, 0.2077,  
0.3587

303.0759, 0.2881,

 1.3870, 0.1705,

0.3366

0.3680

360.5288, 0.2894,  
0.3362

0.2071, 0.0000,  
0.3483

0.0000, 0.0000,  
0.0000

60.0600, 0.2707,  
0.3417

60.0600, 0.2707,  
0.3417

58.1485, 0.2606,  
0.3461

62.3546, 0.2821,  
0.3376

56.5913, 0.2522,  
0.3507

65.0449, 0.2946,  
0.3337

55.3670, 0.2455,  
0.3554

68.1518, 0.3078,  
0.3302

54.4488, 0.2407,  
0.3603

71.6928, 0.3215,  
0.3270

■ 53.8059, 0.2379,  
0.3651

■ 75.6840, 0.3354,  
0.3242

■ 53.4010, 0.2369,  
0.3699

■ 76.3124, 0.3351,  
0.3212

■ 53.2274, 0.2369,  
0.3729

■ 76.4756, 0.3330,  
0.3183

■ 76.6416, 0.3310,  
0.3153

■ 76.8105, 0.3289,  
0.3124

# Harmonies

## Analogous

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



60.0600, 0.2977, 0.3697



60.0600, 0.2707, 0.3417



60.0600, 0.2551, 0.3113

# Triad

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



60.0600, 0.2707, 0.3417



60.0600, 0.2934, 0.2790



60.0600, 0.3748, 0.3665

# Complementary

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



60.0600, 0.2707, 0.3417



37.0363, 0.3802, 0.3170

# 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.



60.0600, 0.3740, 0.3416



60.0600, 0.2707, 0.3417



60.0600, 0.3256, 0.2928

# Square

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



60.0600, 0.2707, 0.3417



60.0600, 0.2676, 0.2770



60.0600, 0.3557, 0.3152



60.0600, 0.3582, 0.3831



# Rectangle

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



60.0600, 0.2707, 0.3417



60.0600, 0.2527, 0.2946



60.0600, 0.3557, 0.3152



60.0600, 0.3766, 0.3587

# Sweetspot

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



60.0624, 0.2707, 0.3417



95.2578, 0.2992, 0.3324



58.6048, 0.3156, 0.4266



20.2572, 0.2973, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

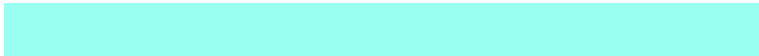


# Same Dimension

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



60.0624, 0.2707, 0.3417



84.6462, 0.2638, 0.3446



48.4013, 0.2609, 0.2953



14.7973, 0.3000, 0.3322



32.2327, 0.2367, 0.3722



2.0968, 0.2346, 0.3644



# Inverse Universe

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



37.0363, 0.3802, 0.3170



46.8306, 0.4004, 0.3146



45.3509, 0.3808, 0.3602



13.0804, 0.3270, 0.3258



8.9947, 0.6213, 0.3196



0.5923, 0.5834, 0.2988



# Previews

## White Background



This preview shows how the Yxy color 60.0600, 0.2707, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

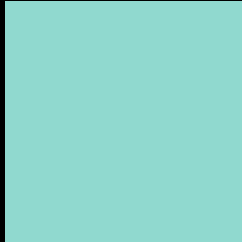
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.0600, 0.2707, 0.3417 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 60.0600, 0.2707, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0600, 0.2707, 0.3417.

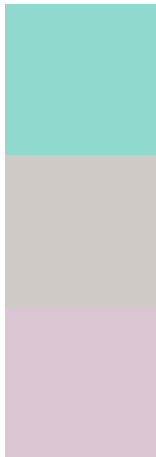


This preview shows how white text looks on a background with the Yxy color 60.0600, 0.2707, 0.3417.

# 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

60.0600, 0.2707, 0.3417

### Protanopia

59.5837, 0.3195, 0.3337

### Deuteranopia

59.5411, 0.3190, 0.3132



## Tritanopia

59.8421, 0.2603, 0.3067

# Trichromacy



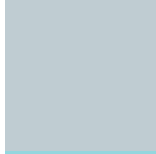
## Original Color

60.0600, 0.2707, 0.3417



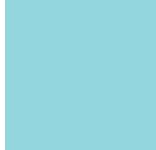
## Protanomaly

59.0330, 0.2998, 0.3363



## Deuteranomaly

58.9152, 0.2988, 0.3218



## Tritanomaly

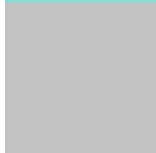
59.6630, 0.2642, 0.3188

# Monochromacy



## Original Color

60.0600, 0.2707, 0.3417



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

55.5947, 0.2952, 0.3327

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0600, 0.2707, 0.3417 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(144, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(144, 217, 207)  
}
```

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(144, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 217, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0600, 0.2707, 0.3417 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(144, 217, 207) }
```

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

```
.border{ border-color:rgb(144, 217, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 217, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(144, 217,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0600, 0.2707, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 217, 207) }
```

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

```
.background{ background-color: rgb(144,  
217, 207) }
```

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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