

# Converting Colors

$Yxy(59.2739, 0.3036, 0.3386)$

Have a look what the booklet for  
Yxy(59.2739, 0.3036, 0.3386)  
contains.

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# Color

**Yxy(59.3140, 0.3033, 0.3387)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBCFC7
RGB	187, 207, 199
RGB Percent	73%, 81%, 78%
CMY	0.2667, 0.1882, 0.2195
CMYK	0.10, 0.00, 0.04, 0.19
HSL	156°, 17%, 77%
HSV	156°, 10%, 81%
XYZ	53.1147, 59.3140, 62.6939
YIQ	200.1080, -9.3520, -6.7280

# Conversions

## Conversions Part 2

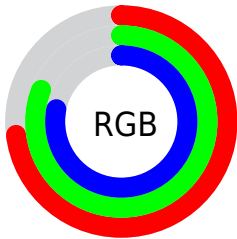
Format	Color
<a href="#">RYB</a>	<a href="#">187, 200, 207</a>
Decimal	<a href="#">12308423</a>
CIELab	<a href="#">81.46, -8.26, 1.65</a>
CIELCh	<a href="#">81, 8.427, 168.677</a>
Yxy	<a href="#">59.3140, 0.3033, 0.3387</a>
Android (android.graphics.Color)	<a href="#">4290498503</a> ( <a href="#">0xFFBBCFC7</a> )
YUV	<a href="#">200.1080, -0.5462, -11.4957</a>
Hunter-Lab	<a href="#">77.0156, -11.6727, 5.6464</a>

# Details

The Yxy color **59.3140, 0.3033, 0.3387** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.7412, 0.3232, 0.3195**, and the grayscale version is **57.8375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **29.8951, 0.3013, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **56.5180, 0.2939, 0.3498**, and if you desaturate by 10%, it is **62.5122, 0.3130, 0.3287**.

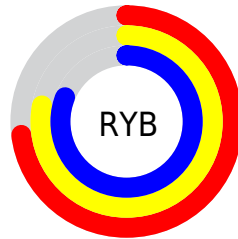
# Distribution



Red (73%)

Green (81%)

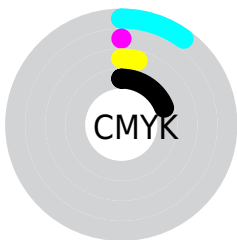
Blue (78%)



Red (73%)

Yellow (78%)

Blue (81%)

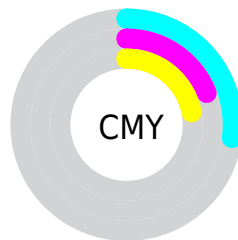


Cyan (10%)

Magenta (0%)

Yellow (4%)

Black (19%)



Cyan (27%)

Magenta (19%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3140, 0.3033, 0.3387 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 59.3140, 0.3033, 0.3387 by changing the saturation by 10% instead.




 59.3140, 0.3033,  
0.3387

 59.3140, 0.3033,  
0.3387


422.0646, 0.3078,  
0.3340

 42.8659, 0.3022,  
0.3398


 103.8339, 0.3049,  
0.3370

 29.7799, 0.3008,  
0.3412


132.6745, 0.3055,  
0.3364

 19.6716, 0.2991,  
0.3431


166.4148, 0.3061,  
0.3359

 12.1566, 0.2967,  
0.3456


205.4391, 0.3065,  
0.3354

 6.8504, 0.2933,  
0.3492

250.1318, 0.3069,  
0.3350

 3.3687, 0.2880,  
0.3547

300.8774, 0.3073,

 1.3271, 0.2788,

0.3346

0.3645

358.0602, 0.3076,  
0.3343

0.1621, 0.0000,  
0.7273

0.0000, 0.0000,  
0.0000

59.3140, 0.3033,  
0.3387

59.3140, 0.3033,  
0.3387

56.5180, 0.2939,  
0.3498

62.5122, 0.3130,  
0.3287

54.1002, 0.2850,  
0.3621


66.1204, 0.3229,  
0.3198


52.0457, 0.2771,  
0.3754

70.1557, 0.3327,  
0.3118


50.3356, 0.2703,  
0.3896


71.7178, 0.3311,  
0.3039

 48.9492, 0.2651,  
0.4045


 72.1984, 0.3252,  
0.2959


 47.8634, 0.2616,  
0.4199

 72.7013, 0.3194,  
0.2881

 47.0521, 0.2601,  
0.4355

 73.1086, 0.3149,  
0.2821

 46.4845, 0.2606,  
0.4510

 46.1060, 0.2628,  
0.4660

# Harmonies

## Analogous

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



59.3140, 0.3140, 0.3457



59.3140, 0.3033, 0.3387



59.3140, 0.2952, 0.3290

# Triad

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



59.3140, 0.3033, 0.3387



59.3140, 0.3009, 0.3105



59.3140, 0.3341, 0.3379

# Complementary

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



59.3140, 0.3033, 0.3387



52.7412, 0.3232, 0.3195

# 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.



59.3140, 0.3305, 0.3286



59.3140, 0.3033, 0.3387



59.3140, 0.3112, 0.3130

# Square

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



59.3140, 0.3033, 0.3387



59.3140, 0.2938, 0.3128



59.3140, 0.3220, 0.3196



59.3140, 0.3319, 0.3451



# Rectangle

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



59.3140, 0.3033, 0.3387



59.3140, 0.2923, 0.3225



59.3140, 0.3220, 0.3196



59.3140, 0.3336, 0.3350

# Sweetspot

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



59.3165, 0.3033, 0.3387



98.3828, 0.3097, 0.3319



59.8175, 0.3177, 0.3533



20.9677, 0.3089, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

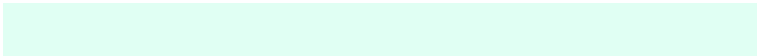


# Same Dimension

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



59.3165, 0.3033, 0.3387



93.8898, 0.3009, 0.3414



58.7335, 0.2979, 0.3265



13.3239, 0.3035, 0.3384



29.0589, 0.2623, 0.4644



1.6402, 0.2546, 0.4367

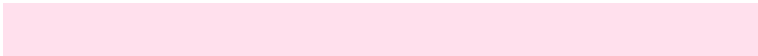


# Inverse Universe

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



52.7412, 0.3232, 0.3195



80.8781, 0.3262, 0.3170



53.2448, 0.3293, 0.3315



11.8853, 0.3229, 0.3198



8.7647, 0.5366, 0.2730



0.5056, 0.4880, 0.2462



# Previews

## White Background



This preview shows how the Yxy color 59.3140, 0.3033, 0.3387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

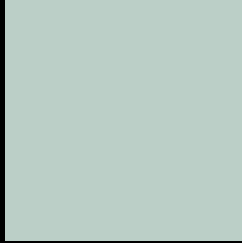
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.3140, 0.3033, 0.3387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

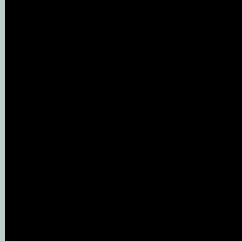
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

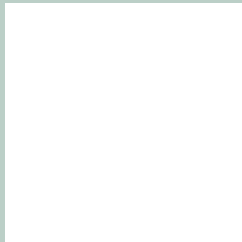
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.3140, 0.3033, 0.3387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3140, 0.3033, 0.3387.



This preview shows how white text looks on a background with the Yxy color 59.3140, 0.3033, 0.3387.

# 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

59.3140, 0.3033, 0.3387

### Protanopia

59.0242, 0.3211, 0.3349

### Deuteranopia

59.2265, 0.3298, 0.3234



## Tritanopia

59.4294, 0.2922, 0.3101

# Trichromacy



## Original Color

59.3140, 0.3033, 0.3387

## Protanomaly

59.0224, 0.3147, 0.3362

## Deuteranomaly

59.0340, 0.3198, 0.3290

## Tritanomaly

59.3633, 0.2968, 0.3206

# Monochromacy



## Original Color

59.3140, 0.3033, 0.3387

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.4841, 0.3087, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3140, 0.3033, 0.3387 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(187, 207, 199)` looks like.

```
.text, #text, p{  
    color:rgb(187, 207, 199)  
}
```

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(187, 207, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 207, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3140, 0.3033, 0.3387 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(187, 207, 199) }
```

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

```
.border{ border-color:rgb(187, 207, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 207, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 207, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 207, 199);  
box-shadow:4px 4px 4px 4px rgb(187, 207,  
199) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 59.3140, 0.3033, 0.3387$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 207, 199) }
```

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

```
.background{ background-color: rgb(187,  
207, 199) }
```

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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