

# Converting Colors

$Yxy(59.1006, 0.2741, 0.3449)$

Have a look what the booklet for  
Yxy(59.1006, 0.2741, 0.3449)  
contains.

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# Color

**Yxy(59.0237, 0.2739, 0.3444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	92D7CB
RGB	146, 215, 203
RGB Percent	57%, 84%, 80%
CMY	0.4272, 0.1569, 0.2039
CMYK	0.32, 0.00, 0.06, 0.16
HSL	170°, 46%, 71%
HSV	170°, 32%, 84%
XYZ	46.9413, 59.0237, 65.4162
YIQ	193.0010, -37.2720, -18.3600

# Conversions

## Conversions Part 2

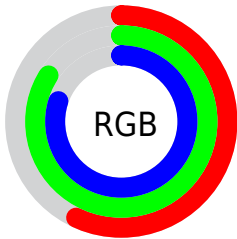
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 184, 215
Decimal	9623499
CIELab	81.30, -24.19, -0.99
CIELCh	81, 24.214, 182.353
Yxy	59.0237, 0.2739, 0.3444
Android (android.graphics.Color)	4287813579 (0xFF92D7CB)
YUV	193.0010, 4.9295, -41.2199
Hunter-Lab	76.8269, -25.3833, 3.2948

# Details

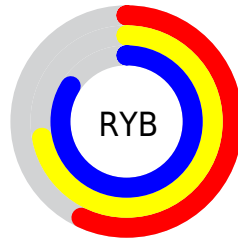
The Yxy color **59.0237, 0.2739, 0.3444** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4933, 0.3731, 0.3144**, and the grayscale version is **53.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **29.5868, 0.2638, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **57.0603, 0.2640, 0.3500**, and if you desaturate by 10%, it is **61.3667, 0.2851, 0.3392**.

# Distribution



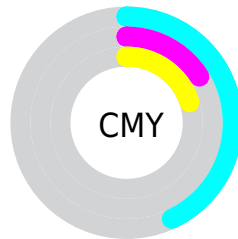
- Red (57%)
- Green (84%)
- Blue (80%)



- Red (57%)
- Yellow (72%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (43%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0237, 0.2739, 0.3444 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 59.0237, 0.2739, 0.3444 by changing the saturation by 10% instead.



 59.0237, 0.2739,  
0.3444


 59.0237, 0.2739,  
0.3444


420.9897, 0.2925,  
0.3371

 42.6322, 0.2695,  
0.3461


 103.4121, 0.2805,  
0.3418

 29.5966, 0.2640,  
0.3483


 132.1778, 0.2830,  
0.3408

 19.5326, 0.2569,  
0.3510


165.8370, 0.2851,  
0.3400

 12.0558, 0.2474,  
0.3547

204.7742, 0.2870,  
0.3393

 6.7817, 0.2341,  
0.3597

249.3736, 0.2886,  
0.3386

 3.3259, 0.2140,  
0.3673

300.0197, 0.2900,

 1.3042, 0.1754,

0.3381

357.0970, 0.2913,  
0.3376

0.3819

0.1444, 0.0000,  
0.3891

0.0000, 0.0000,  
0.0000

59.0237, 0.2739,  
0.3444

59.0237, 0.2739,  
0.3444

57.0603, 0.2640,  
0.3500

61.3667, 0.2851,  
0.3392

55.4485, 0.2555,  
0.3559

64.1014, 0.2972,  
0.3343

54.1679, 0.2488,  
0.3620

67.2481, 0.3100,  
0.3299

53.1927, 0.2440,  
0.3683

70.8235, 0.3232,  
0.3259

■ 52.4936, 0.2412,  
0.3745

■ 74.8434, 0.3365,  
0.3223

■ 52.0353, 0.2402,  
0.3808

■ 75.3185, 0.3349,  
0.3186

■ 51.7953, 0.2405,  
0.3857

■ 75.5255, 0.3323,  
0.3149

■ 75.7370, 0.3296,  
0.3112

■ 75.9530, 0.3270,  
0.3075

# Harmonies

## Analogous

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



59.0237, 0.3011, 0.3709



59.0237, 0.2739, 0.3444



59.0237, 0.2573, 0.3145

# Triad

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



59.0237, 0.2739, 0.3444



59.0237, 0.2910, 0.2794



59.0237, 0.3740, 0.3635

# Complementary

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



59.0237, 0.2739, 0.3444



37.4933, 0.3731, 0.3144

# 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.



59.0237, 0.3714, 0.3388



59.0237, 0.2739, 0.3444



59.0237, 0.3222, 0.2918

# Square

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



59.0237, 0.2739, 0.3444



59.0237, 0.2668, 0.2787



59.0237, 0.3521, 0.3131



59.0237, 0.3594, 0.3808



# Rectangle

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



59.0237, 0.2739, 0.3444



59.0237, 0.2540, 0.2976



59.0237, 0.3521, 0.3131



59.0237, 0.3751, 0.3557

# Sweetspot

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



59.0261, 0.2739, 0.3444



95.1978, 0.2997, 0.3334



58.0152, 0.3172, 0.4208



20.2426, 0.2979, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

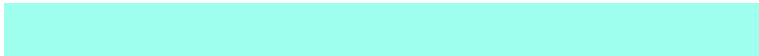


# Same Dimension

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



59.0261, 0.2739, 0.3444



84.9803, 0.2675, 0.3479



49.2355, 0.2637, 0.3002



14.0690, 0.3006, 0.3331



30.9958, 0.2402, 0.3848



1.8795, 0.2372, 0.3740



# Inverse Universe

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



37.4933, 0.3731, 0.3144



48.8415, 0.3904, 0.3115



44.4879, 0.3776, 0.3559



12.4557, 0.3264, 0.3250



8.7335, 0.6129, 0.3150



0.5377, 0.5673, 0.2899



# Previews

## White Background



This preview shows how the Yxy color 59.0237, 0.2739, 0.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

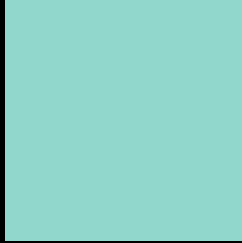
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0237, 0.2739, 0.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

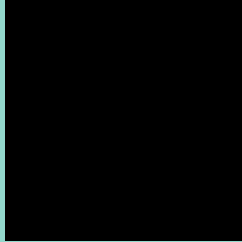
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

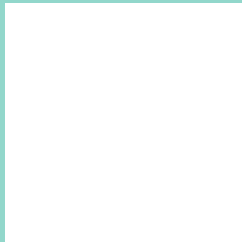
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.0237, 0.2739, 0.3444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0237, 0.2739, 0.3444.



This preview shows how white text looks on a background with the Yxy color 59.0237, 0.2739, 0.3444.

# 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

59.0237, 0.2739, 0.3444

### Protanopia

58.3705, 0.3211, 0.3349

### Deuteranopia

58.4406, 0.3221, 0.3154



## **Tritanopia**

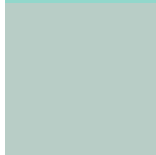
58.8654, 0.2628, 0.3078

# Trichromacy



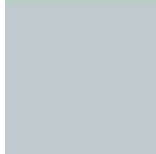
## Original Color

59.0237, 0.2739, 0.3444



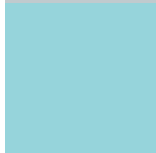
## Protanomaly

57.9302, 0.3018, 0.3376



## Deuteranomaly

57.9038, 0.3023, 0.3242



## Tritanomaly

58.6855, 0.2667, 0.3201

# Monochromacy



## Original Color

59.0237, 0.2739, 0.3444



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.0346, 0.2966, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0237, 0.2739, 0.3444 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(146, 215, 203)` looks like.

```
.text, #text, p{  
    color:rgb(146, 215, 203)  
}
```

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(146, 215, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 215, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0237, 0.2739, 0.3444 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(146, 215, 203) }
```

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

```
.border{ border-color:rgb(146, 215, 203) }
```

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

Here you see how a box with a 4 pixel rgb(146, 215, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 215, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 215, 203);  
box-shadow:4px 4px 4px 4px rgb(146, 215,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0237, 0.2739, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 215, 203) }
```

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

```
.background{ background-color: rgb(146,  
215, 203) }
```

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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