

# Converting Colors

Yxy(59.5237, 0.2481, 0.3246)

Have a look what the booklet for  
Yxy(59.5237, 0.2481, 0.3246)  
contains.

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# Color

**Yxy(59.5144, 0.2482, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72DBDE
RGB	114, 219, 222
RGB Percent	45%, 86%, 87%
CMY	0.5526, 0.1412, 0.1294
CMYK	0.49, 0.01, 0.00, 0.13
HSL	182°, 62%, 66%
HSV	182°, 49%, 87%
XYZ	45.4647, 59.5144, 78.1985
YIQ	187.9470, -63.5430, -21.3270

# Conversions

## Conversions Part 2

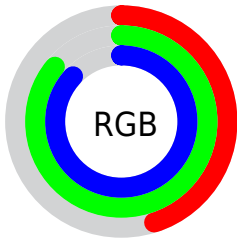
Format	Color
<a href="#">RYB</a>	<a href="#">114, 167, 222</a>
Decimal	<a href="#">7527390</a>
CIELab	<a href="#">81.57, -29.54, -10.88</a>
CIElCh	<a href="#">82, 31.479, 200.211</a>
Yxy	<a href="#">59.5144, 0.2482, 0.3249</a>
Android (android.graphics.Color)	<a href="#">4285717470 (0xFF72DBDE)</a>
YUV	<a href="#">187.9470, 16.7881, -64.8515</a>
Hunter-Lab	<a href="#">77.1456, -29.8083, -6.0973</a>

# Details

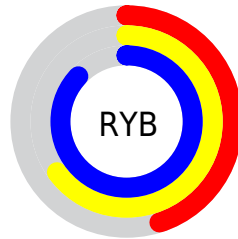
The Yxy color **59.5144, 0.2482, 0.3249** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.4944, 0.4463, 0.3329**, and the grayscale version is **50.2017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **30.0447, 0.2327, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **57.8803, 0.2393, 0.3240**, and if you desaturate by 10%, it is **61.5156, 0.2589, 0.3258**.

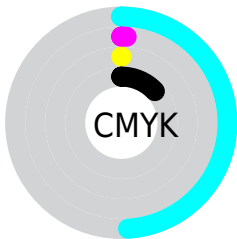
# Distribution



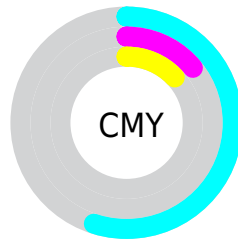
- Red (45%)
- Green (86%)
- Blue (87%)



- Red (45%)
- Yellow (65%)
- Blue (87%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (55%)
- Magenta (14%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5144, 0.2482, 0.3249 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 59.5144, 0.2482, 0.3249 by changing the saturation by 10% instead.





 59.5144, 0.2482,  
0.3249

 59.5144, 0.2482,  
0.3249

422.8055, 0.2785,  
0.3276


 43.0273, 0.2412,  
0.3241

 104.1249, 0.2588,  
0.3260

 29.9066, 0.2325,  
0.3229


 133.0172, 0.2629,  
0.3264

 19.7677, 0.2215,  
0.3213


 166.8133, 0.2664,  
0.3267

 12.2263, 0.2071,  
0.3188

205.8977, 0.2694,  
0.3269

 6.8980, 0.1876,  
0.3147

250.6547, 0.2721,  
0.3272

 3.3984, 0.1596,  
0.3073

301.4687, 0.2745,

 1.3431, 0.1091,

0.3273

358.7242, 0.2766,  
0.3275

0.2950

0.1742, 0.0000,  
0.1550

0.0000, 0.0000,  
0.0000

59.5144, 0.2482,  
0.3249

59.5144, 0.2482,  
0.3249

57.8803, 0.2393,  
0.3240

61.5156, 0.2589,  
0.3258

56.5798, 0.2323,  
0.3230


63.9010, 0.2712,  
0.3267

55.5851, 0.2273,  
0.3221

66.6947, 0.2848,  
0.3276

54.8605, 0.2241,  
0.3212

69.9169, 0.2995,  
0.3284


 54.3523, 0.2224,  
0.3203


 73.5866, 0.3149,  
0.3291

 54.2881, 0.2223,  
0.3201

 77.7214, 0.3308,  
0.3298

 79.4840, 0.3363,  
0.3304

 79.8161, 0.3362,  
0.3310

 80.1495, 0.3361,  
0.3316

# Harmonies

## Analogous

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



59.5144, 0.2753, 0.3645



59.5144, 0.2482, 0.3249



59.5144, 0.2378, 0.2899

# Triad

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



59.5144, 0.2482, 0.3249



59.5144, 0.3077, 0.2738



59.5144, 0.3829, 0.3879

# Complementary

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



59.5144, 0.2482, 0.3249



29.4944, 0.4463, 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.



59.5144, 0.3938, 0.3601



59.5144, 0.2482, 0.3249



59.5144, 0.3489, 0.2965

# Square

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



59.5144, 0.2482, 0.3249



59.5144, 0.2704, 0.2635



59.5144, 0.3812, 0.3272



59.5144, 0.3530, 0.4018

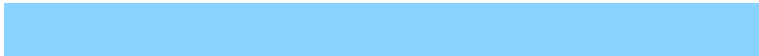


# Rectangle

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



59.5144, 0.2482, 0.3249



59.5144, 0.2410, 0.2739



59.5144, 0.3812, 0.3272



59.5144, 0.3890, 0.3797

# Sweetspot

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



59.5167, 0.2482, 0.3249



92.7746, 0.2898, 0.3279



57.0858, 0.3046, 0.4801



19.6640, 0.2867, 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.



59.5167, 0.2482, 0.3249



79.2681, 0.2394, 0.3240



36.2217, 0.2343, 0.2509



15.5033, 0.2982, 0.3283



32.2744, 0.2223, 0.3203



2.2581, 0.2227, 0.3217



# Inverse Universe

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



32.7004, 0.3212, 0.2146



38.7534, 0.3228, 0.1958



45.4393, 0.4126, 0.3945



13.9287, 0.3142, 0.3065



12.1662, 0.3280, 0.1580

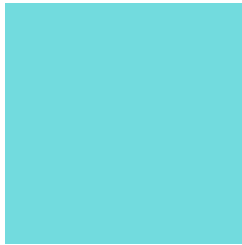


0.8454, 0.3268, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 59.5144, 0.2482, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

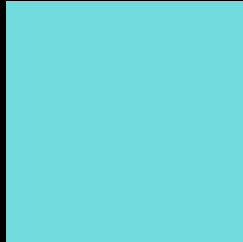
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.5144, 0.2482, 0.3249 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 59.5144, 0.2482, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.5144, 0.2482, 0.3249.

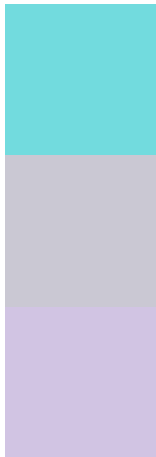


This preview shows how white text looks on a background with the Yxy color 59.5144, 0.2482, 0.3249.

# 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

59.5144, 0.2482, 0.3249

### Protanopia

58.5683, 0.3064, 0.3161

### Deuteranopia

58.5812, 0.3005, 0.2939



## Tritanopia

59.4754, 0.2433, 0.3060

# Trichromacy



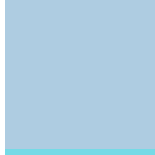
## Original Color

59.5144, 0.2482, 0.3249



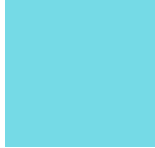
## Protanomaly

58.0780, 0.2810, 0.3190



## Deuteranomaly

57.6206, 0.2773, 0.3035



## Tritanomaly

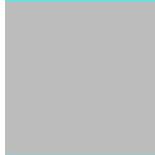
59.6379, 0.2454, 0.3135

# Monochromacy



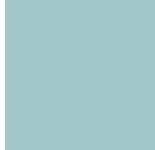
## Original Color

59.5144, 0.2482, 0.3249



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.5940, 0.2837, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5144, 0.2482, 0.3249 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(114, 219, 222)` looks like.

```
.text, #text, p{  
    color:rgb(114, 219, 222)  
}
```

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(114, 219, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 219, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5144, 0.2482, 0.3249 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(114, 219, 222) }
```

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

```
.border{ border-color:rgb(114, 219, 222) }
```

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

Here you see how a box with a 4 pixel rgb(114, 219, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 219, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 219, 222);  
box-shadow:4px 4px 4px 4px rgb(114, 219,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5144, 0.2482, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 219, 222) }
```

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

```
.background{ background-color: rgb(114,  
219, 222) }
```

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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