

# Converting Colors

$Y_{xy}(60.1128, 0.2390, 0.3195)$

Have a look what the booklet for  
Yxy(60.1128, 0.2390, 0.3195)  
contains.

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# Color

**Yxy(59.9114, 0.2388, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61DDE5
RGB	97, 221, 229
RGB Percent	38%, 87%, 90%
CMY	0.6193, 0.1333, 0.1020
CMYK	0.58, 0.03, 0.00, 0.10
HSL	184°, 72%, 64%
HSV	184°, 58%, 90%
XYZ	44.9335, 59.9114, 83.3190
YIQ	184.8360, -76.4720, -23.8000

# Conversions

## Conversions Part 2

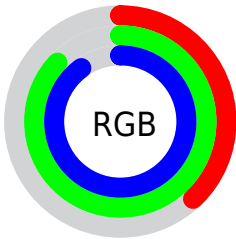
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 161, 229
Decimal	6413797
CIE <sub>Lab</sub>	81.79, -32.00, -14.33
CIE <sub>LCh</sub>	82, 35.064, 204.120
Yxy	59.9114, 0.2388, 0.3184
Android (android.graphics.Color)	4284603877 (0xFF61DDE5)
YUV	184.8360, 21.7729, -77.0322
Hunter-Lab	77.4025, -31.8318, -9.6403

# Details

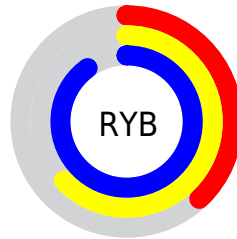
The Yxy color **59.9114, 0.2388, 0.3184** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.6390, 0.4836, 0.3381**, and the grayscale version is **48.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **30.0050, 0.2208, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **58.1010, 0.2312, 0.3163**, and if you desaturate by 10%, it is **62.0954, 0.2483, 0.3204**.

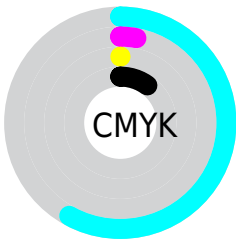
# Distribution



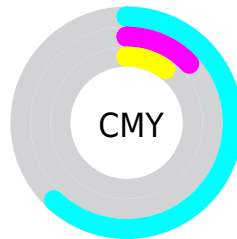
- Red (38%)
- Green (87%)
- Blue (90%)



- Red (38%)
- Yellow (63%)
- Blue (90%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)




- Cyan (62%)
- Magenta (13%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9114, 0.2388, 0.3184 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 59.9114, 0.2388, 0.3184 by changing the saturation by 10% instead.





 59.9114, 0.2388,  
0.3184


 59.9114, 0.2388,  
0.3184


424.2711, 0.2732,  
0.3245

 43.3472, 0.2309,  
0.3167

 104.7011, 0.2508,  
0.3207

 30.1576, 0.2212,  
0.3145


 133.6955, 0.2554,  
0.3216

 19.9583, 0.2090,  
0.3114

 167.6020, 0.2594,  
0.3223

 12.3647, 0.1931,  
0.3069

 206.8051, 0.2629,  
0.3229

 6.9926, 0.1718,  
0.2999

251.6892, 0.2660,  
0.3234

 3.4575, 0.1421,  
0.2882

302.6386, 0.2687,

 1.3750, 0.0898,

0.3238

0.2687

360.0378, 0.2711,  
0.3241

0.1982, 0.0000,  
0.1378

0.0000, 0.0000,  
0.0000

59.9114, 0.2388,  
0.3184

59.9114, 0.2388,  
0.3184

58.1010, 0.2312,  
0.3163

62.0954, 0.2483,  
0.3204

56.6253, 0.2256,  
0.3143


64.6747, 0.2595,  
0.3224

55.4486, 0.2219,  
0.3122

67.6770, 0.2722,  
0.3243

54.5198, 0.2198,  
0.3102

71.1258, 0.2861,  
0.3261

 54.3151, 0.2194,  
0.3097

 75.0427, 0.3010,  
0.3278

 79.4481, 0.3165,  
0.3294

 83.9086, 0.3306,  
0.3308

 84.6875, 0.3305,  
0.3321

 85.4726, 0.3303,  
0.3335

# Harmonies

## Analogous

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



59.9114, 0.2663, 0.3631



59.9114, 0.2388, 0.3184



59.9114, 0.2301, 0.2813

# Triad

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



59.9114, 0.2388, 0.3184



59.9114, 0.3130, 0.2708



59.9114, 0.3872, 0.3971

# Complementary

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



59.9114, 0.2388, 0.3184



27.6390, 0.4836, 0.3381

# 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.



59.9114, 0.4027, 0.3673



59.9114, 0.2388, 0.3184



59.9114, 0.3584, 0.2971

# Square

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



59.9114, 0.2388, 0.3184



59.9114, 0.2705, 0.2574



59.9114, 0.3923, 0.3313



59.9114, 0.3517, 0.4105

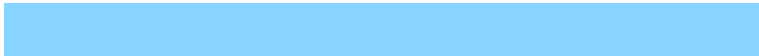


# Rectangle

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



59.9114, 0.2388, 0.3184



59.9114, 0.2354, 0.2653



59.9114, 0.3923, 0.3313



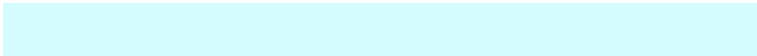
59.9114, 0.3950, 0.3885

# Sweetspot

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



59.9137, 0.2388, 0.3184



91.0199, 0.2868, 0.3262



59.5735, 0.3012, 0.5064



19.2802, 0.2839, 0.3259



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.



59.9137, 0.2388, 0.3184



73.7871, 0.2301, 0.3160



32.1265, 0.2188, 0.2265



16.1788, 0.2982, 0.3275



31.1216, 0.2195, 0.3100



2.3454, 0.2203, 0.3130



# Inverse Universe

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



30.4404, 0.3271, 0.2006



33.4112, 0.3303, 0.1826



46.1324, 0.4333, 0.4098



14.5994, 0.3147, 0.3072



12.3395, 0.3367, 0.1628

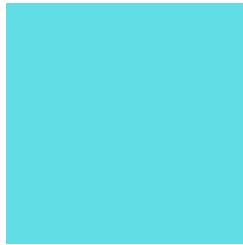


0.9165, 0.3342, 0.1614



# Previews

## White Background



This preview shows how the Yxy color 59.9114, 0.2388, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

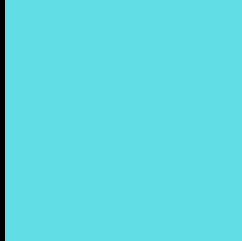
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9114, 0.2388, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

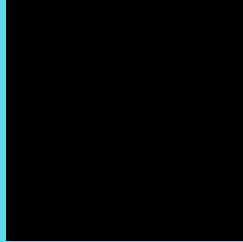
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9114, 0.2388, 0.3184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9114, 0.2388, 0.3184.

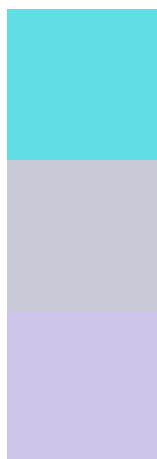


This preview shows how white text looks on a background with the Yxy color 59.9114, 0.2388, 0.3184.

# 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

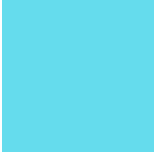
59.9114, 0.2388, 0.3184

### Protanopia

59.1487, 0.3021, 0.3115

### Deuteranopia

58.9948, 0.2935, 0.2873



## **Tritanopia**

60.0675, 0.2364, 0.3071

# Trichromacy



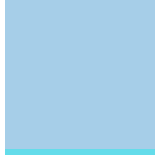
## Original Color

59.9114, 0.2388, 0.3184



## Protanomaly

58.1187, 0.2730, 0.3128



## Deuteranomaly

58.0758, 0.2682, 0.2975



## Tritanomaly

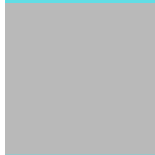
59.8362, 0.2374, 0.3108

# Monochromacy



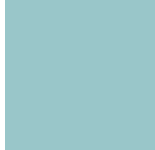
## Original Color

59.9114, 0.2388, 0.3184



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.3775, 0.2775, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9114, 0.2388, 0.3184 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(97, 221, 229)` looks like.

```
.text, #text, p{  
    color:rgb(97, 221, 229)  
}
```

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(97, 221, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 221, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9114, 0.2388, 0.3184 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(97, 221, 229) }
```

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

```
.border{ border-color:rgb(97, 221, 229) }
```

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

Here you see how a box with a 4 pixel rgb(97, 221, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 221, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 221, 229);  
box-shadow:4px 4px 4px 4px rgb(97, 221,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9114, 0.2388, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 221, 229) }
```

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

```
.background{ background-color: rgb(97, 221,  
229) }
```

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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