

# Converting Colors

$Yxy(59.6006, 0.2469, 0.3037)$

Have a look what the booklet for  
Yxy(59.6006, 0.2469, 0.3037)  
contains.

<b>Yxy(59.7571, 0.2471, 0.3038)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(59.7571, 0.2471, 0.3038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D8EC
RGB	128, 216, 236
RGB Percent	50%, 85%, 93%
CMY	0.4979, 0.1530, 0.0745
CMYK	0.46, 0.08, 0.00, 0.07
HSL	191°, 74%, 71%
HSV	191°, 46%, 93%
XYZ	48.6043, 59.7571, 88.3374
YIQ	191.9680, -58.8680, -12.4360

# Conversions

## Conversions Part 2

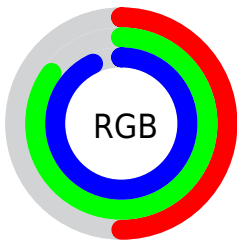
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 176, 236
Decimal	8444140
CIELab	81.71, -21.31, -18.08
CIELCh	82, 27.944, 220.305
Yxy	59.7571, 0.2471, 0.3038
Android (android.graphics.Color)	4286634220 (0xFF80D8EC)
YUV	191.9680, 21.7078, -56.0999
Hunter-Lab	77.3027, -23.0474, -13.6416

# Details

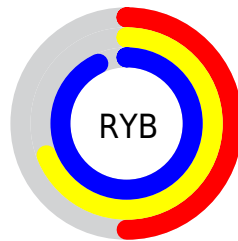
The Yxy color **59.7571, 0.2471, 0.3038** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.5943, 0.4255, 0.3518**, and the grayscale version is **52.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **30.0502, 0.2315, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **55.9241, 0.2358, 0.2973**, and if you desaturate by 10%, it is **64.0800, 0.2599, 0.3100**.

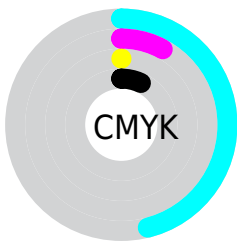
# Distribution



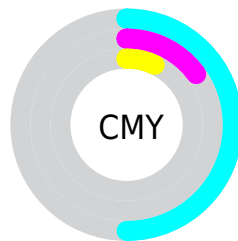
- Red (50%)
- Green (85%)
- Blue (93%)



- Red (50%)
- Yellow (69%)
- Blue (93%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)




- Cyan (50%)
- Magenta (15%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7571, 0.2471, 0.3038 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 59.7571, 0.2471, 0.3038 by changing the saturation by 10% instead.



 59.7571, 0.2471,  
0.3038


 59.7571, 0.2471,  
0.3038


423.7019, 0.2777,  
0.3166

 43.2229, 0.2401,  
0.3006


 104.4772, 0.2578,  
0.3084

 30.0600, 0.2314,  
0.2966


 133.4319, 0.2619,  
0.3102

 19.8842, 0.2205,  
0.2912


 167.2956, 0.2654,  
0.3117

 12.3109, 0.2062,  
0.2838

206.4526, 0.2685,  
0.3129

 6.9558, 0.1870,  
0.2732

251.2873, 0.2713,  
0.3140

 3.4344, 0.1600,  
0.2566

302.1842, 0.2737,

 1.3625, 0.1194,

0.3150

0.2286

359.5276, 0.2758,  
0.3158

0.1889, 0.0000,  
0.1078

0.0000, 0.0000,  
0.0000

59.7571, 0.2471,  
0.3038

59.7571, 0.2471,  
0.3038

55.9241, 0.2358,  
0.2973

64.0800, 0.2599,  
0.3100

52.5438, 0.2262,  
0.2906

68.9135, 0.2738,  
0.3159

49.5841, 0.2185,  
0.2839

74.2850, 0.2886,  
0.3213

47.0053, 0.2128,  
0.2771

80.2181, 0.3038,  
0.3263

■ 44.7580, 0.2089,  
0.2704

■ 86.7348, 0.3193,  
0.3309

■ 43.8690, 0.2077,  
0.2676

■ 90.9694, 0.3249,  
0.3351

■ 93.6089, 0.3246,  
0.3393

■ 96.3112, 0.3242,  
0.3435

■ 98.8368, 0.3238,  
0.3473

# Harmonies

## Analogous

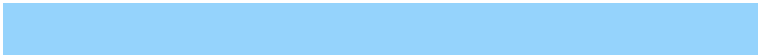
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7571, 0.2618, 0.3373



59.7571, 0.2471, 0.3038



59.7571, 0.2487, 0.2800

# Triad

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



59.7571, 0.2471, 0.3038



59.7571, 0.3331, 0.2922



59.7571, 0.3589, 0.3914

# Complementary

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



59.7571, 0.2471, 0.3038



40.5943, 0.4255, 0.3518

# 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.



59.7571, 0.3804, 0.3745



59.7571, 0.2471, 0.3038



59.7571, 0.3655, 0.3181

# Square

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



59.7571, 0.2471, 0.3038



59.7571, 0.2966, 0.2751



59.7571, 0.3831, 0.3476



59.7571, 0.3256, 0.3908



# Rectangle

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



59.7571, 0.2471, 0.3038



59.7571, 0.2588, 0.2720



59.7571, 0.3831, 0.3476



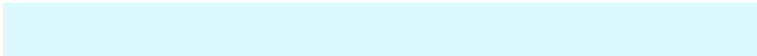
59.7571, 0.3678, 0.3874

# Sweetspot

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



59.7594, 0.2471, 0.3038



89.6963, 0.2911, 0.3222



66.7237, 0.2960, 0.4464



18.8845, 0.2878, 0.3211



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.



59.7594, 0.2471, 0.3038



66.8858, 0.2363, 0.2977



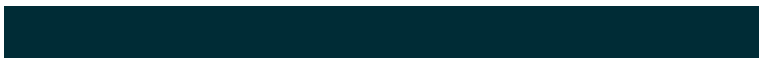
36.5736, 0.2342, 0.2314



16.6194, 0.2981, 0.3245



24.3567, 0.2080, 0.2687



2.0355, 0.2105, 0.2779



# Inverse Universe

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



38.2433, 0.3369, 0.2355



39.1216, 0.3434, 0.2185



61.5528, 0.3964, 0.4095



15.2631, 0.3166, 0.3100



11.9516, 0.3741, 0.1834

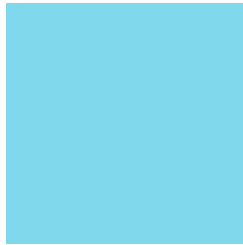


0.9509, 0.3654, 0.1787



# Previews

## White Background



This preview shows how the Yxy color 59.7571, 0.2471, 0.3038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

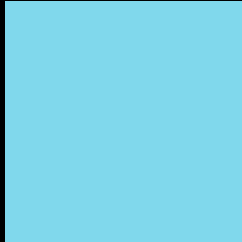
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7571, 0.2471, 0.3038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

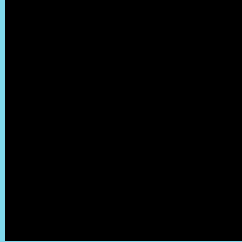
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7571, 0.2471, 0.3038**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7571, 0.2471, 0.3038.



This preview shows how white text looks on a background with the Yxy color 59.7571, 0.2471, 0.3038.

# 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

59.7571, 0.2471, 0.3038

### Protanopia

59.4064, 0.2939, 0.3001

### Deuteranopia

58.9203, 0.2874, 0.2807



## Tritanopia

59.5643, 0.2476, 0.3062

# Trichromacy



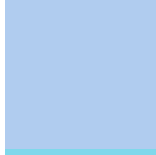
## Original Color

59.7571, 0.2471, 0.3038



## Protanomaly

58.7400, 0.2738, 0.3001



## Deuteranomaly

58.6478, 0.2702, 0.2878



## Tritanomaly

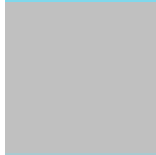
59.6219, 0.2471, 0.3050

# Monochromacy



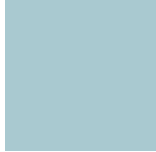
## Original Color

59.7571, 0.2471, 0.3038



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.7624, 0.2843, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  59.7571, 0.2471, 0.3038 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(128, 216, 236)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 236)  
}
```

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(128, 216, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7571, 0.2471, 0.3038 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(128, 216, 236) }
```

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

```
.border{ border-color:rgb(128, 216, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 216, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 236);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7571, 0.2471, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 236) }
```

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

```
.background{ background-color: rgb(128,  
216, 236) }
```

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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