

# Converting Colors

$Yxy(60.7934, 0.2459, 0.3003)$

Have a look what the booklet for  
Yxy(60.7934, 0.2459, 0.3003)  
contains.

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# Color

**Yxy(60.5841, 0.2459, 0.3004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81D9F0
RGB	129, 217, 240
RGB Percent	51%, 85%, 94%
CMY	0.4941, 0.1490, 0.0589
CMYK	0.46, 0.10, 0.00, 0.06
HSL	192°, 79%, 72%
HSV	192°, 46%, 94%
XYZ	49.5926, 60.5841, 91.5014
YIQ	193.3100, -59.8310, -11.5030

# Conversions

## Conversions Part 2

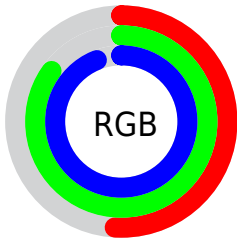
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 178, 240
Decimal	8509936
CIELab	82.15, -20.55, -19.50
CIElCh	82, 28.333, 223.499
Yxy	60.5841, 0.2459, 0.3004
Android (android.graphics.Color)	4286700016 (0xFF81D9F0)
YUV	193.3100, 23.0182, -56.3999
Hunter-Lab	77.8358, -22.4823, -15.2144

# Details

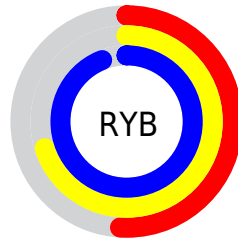
The Yxy color **60.5841, 0.2459, 0.3004** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.5597, 0.4261, 0.3547**, and the grayscale version is **53.4109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **30.6034, 0.2302, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **56.3993, 0.2344, 0.2931**, and if you desaturate by 10%, it is **65.2919, 0.2588, 0.3074**.

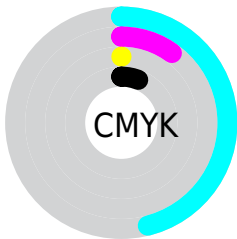
# Distribution



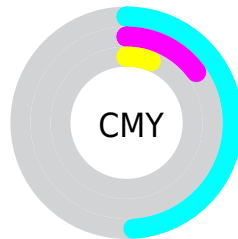
- Red (51%)
- Green (85%)
- Blue (94%)



- Red (51%)
- Yellow (70%)
- Blue (94%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (15%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5841, 0.2459, 0.3004 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 60.5841, 0.2459, 0.3004 by changing the saturation by 10% instead.



60.5841, 0.2459,  
0.3004

60.5841, 0.2459,  
0.3004

426.7474, 0.2770,  
0.3147

43.8896, 0.2388,  
0.2969

105.6765, 0.2567,  
0.3056

30.5837, 0.2301,  
0.2924

134.8432, 0.2609,  
0.3075

20.2821, 0.2191,  
0.2865

168.9361, 0.2645,  
0.3092

12.6003, 0.2048,  
0.2785

208.3396, 0.2676,  
0.3106

7.1539, 0.1856,  
0.2670

253.4381, 0.2704,  
0.3119

3.5585, 0.1588,  
0.2494

304.6160, 0.2728,

1.4298, 0.1197,

0.3129

0.2201

362.2576, 0.2750,  
0.3139

0.2385, 0.0000,  
0.1179

0.0000, 0.0000,  
0.0000

60.5841, 0.2459,  
0.3004

60.5841, 0.2459,  
0.3004

56.3993, 0.2344,  
0.2931

65.2919, 0.2588,  
0.3074

52.6985, 0.2246,  
0.2855

70.5448, 0.2729,  
0.3140

49.4480, 0.2167,  
0.2779

76.3715, 0.2877,  
0.3201

46.6054, 0.2108,  
0.2702

82.7970, 0.3031,  
0.3258

■ 44.1186, 0.2067,  
0.2627

■ 89.8442, 0.3185,  
0.3309

■ 43.2442, 0.2055,  
0.2599

■ 93.9595, 0.3221,  
0.3356

■ 97.0361, 0.3217,  
0.3404

■ 99.0701, 0.3215,  
0.3435

# Harmonies

## Analogous

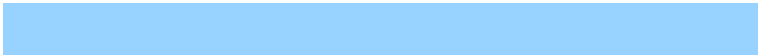
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.5841, 0.2590, 0.3335



60.5841, 0.2459, 0.3004



60.5841, 0.2493, 0.2778

# Triad

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



60.5841, 0.2459, 0.3004



60.5841, 0.3372, 0.2944



60.5841, 0.3562, 0.3928

# Complementary

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



60.5841, 0.2459, 0.3004



42.5597, 0.4261, 0.3547

# 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.



60.5841, 0.3795, 0.3774



60.5841, 0.2459, 0.3004



60.5841, 0.3687, 0.3211

# Square

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



60.5841, 0.2459, 0.3004



60.5841, 0.3003, 0.2760



60.5841, 0.3845, 0.3509



60.5841, 0.3218, 0.3901



# Rectangle

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



60.5841, 0.2459, 0.3004



60.5841, 0.2605, 0.2708



60.5841, 0.3845, 0.3509



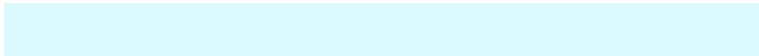
60.5841, 0.3656, 0.3894

# Sweetspot

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



60.5864, 0.2459, 0.3004



89.2210, 0.2911, 0.3214



69.2175, 0.2949, 0.4456



18.7678, 0.2878, 0.3201



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

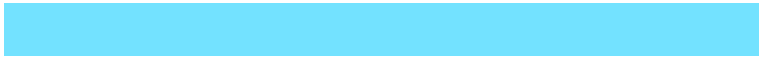


# Same Dimension

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



60.5864, 0.2459, 0.3004



65.2200, 0.2355, 0.2939



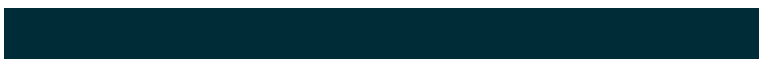
36.9058, 0.2327, 0.2275



17.3408, 0.2981, 0.3240



23.8745, 0.2059, 0.2611



2.1242, 0.2086, 0.2710



# Inverse Universe

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



39.2357, 0.3396, 0.2367



38.9534, 0.3465, 0.2210



64.5825, 0.3965, 0.4122



15.9721, 0.3170, 0.3105



12.2035, 0.3814, 0.1874

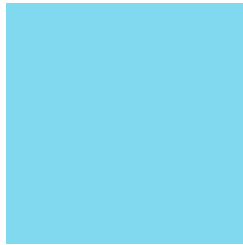


1.0292, 0.3718, 0.1822



# Previews

## White Background



This preview shows how the Yxy color 60.5841, 0.2459, 0.3004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

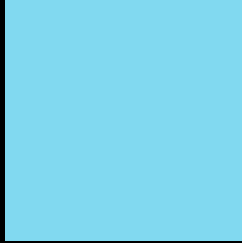
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.5841, 0.2459, 0.3004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

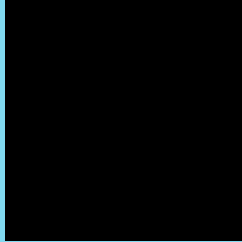
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.5841, 0.2459, 0.3004**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.5841, 0.2459, 0.3004.

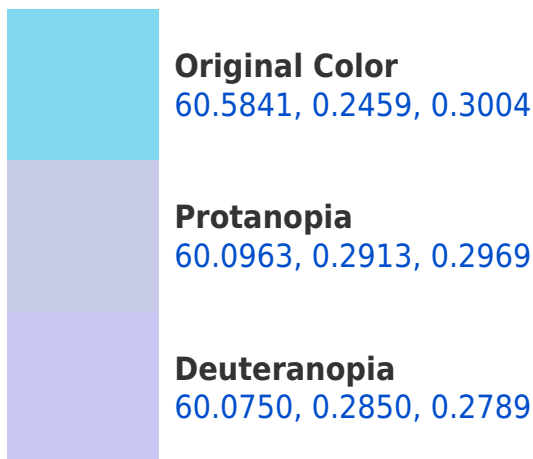


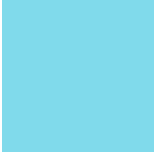
This preview shows how white text looks on a background with the Yxy color 60.5841, 0.2459, 0.3004.

# 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





## **Tritanopia**

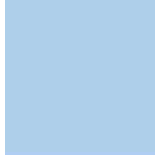
60.7302, 0.2480, 0.3076

# Trichromacy



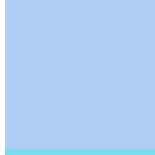
## Original Color

60.5841, 0.2459, 0.3004



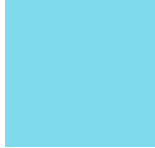
## Protanomaly

59.5648, 0.2722, 0.2969



## Deuteranomaly

59.8438, 0.2682, 0.2858



## Tritanomaly

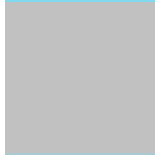
60.8464, 0.2471, 0.3052

# Monochromacy



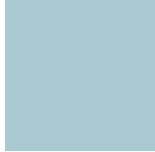
## Original Color

60.5841, 0.2459, 0.3004



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.4403, 0.2838, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5841, 0.2459, 0.3004 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(129, 217, 240)` looks like.

```
.text, #text, p{  
    color:rgb(129, 217, 240)  
}
```

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(129, 217, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 217, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5841, 0.2459, 0.3004 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(129, 217, 240) }
```

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

```
.border{ border-color:rgb(129, 217, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 217, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 217, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 217, 240);  
box-shadow:4px 4px 4px 4px rgb(129, 217,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5841, 0.2459, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 217, 240) }
```

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

```
.background{ background-color: rgb(129,  
217, 240) }
```

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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