

# Converting Colors

$Yxy(59.9528, 0.2373, 0.2988)$

Have a look what the booklet for  
Yxy(59.9528, 0.2373, 0.2988)  
contains.

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# Color

**Yxy(59.8686, 0.2371, 0.2987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EDAF2
RGB	110, 218, 242
RGB Percent	43%, 85%, 95%
CMY	0.5688, 0.1451, 0.0511
CMYK	0.55, 0.10, 0.00, 0.05
HSL	191°, 84%, 69%
HSV	191°, 55%, 95%
XYZ	47.5221, 59.8686, 93.0399
YIQ	188.4440, -72.0720, -15.4320

# Conversions

## Conversions Part 2

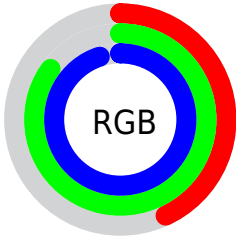
Format	Color
R <sub>YB</sub>	110, 169, 242
Decimal	7265010
CIE Lab	81.77, -24.56, -21.22
CIE LCh	82, 32.461, 220.830
Yxy	59.8686, 0.2371, 0.2987
Android (android.graphics.Color)	4285455090 (0xFF6EDAF2)
YUV	188.4440, 26.4031, -68.7954
Hunter-Lab	77.3748, -25.7747, -17.1313

# Details

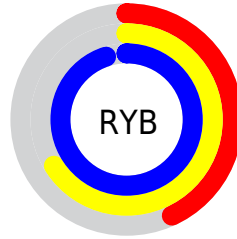
The Yxy color **59.8686, 0.2371, 0.2987** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.0295, 0.4595, 0.3549**, and the grayscale version is **50.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **30.1907, 0.2193, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **56.2768, 0.2273, 0.2922**, and if you desaturate by 10%, it is **63.9489, 0.2486, 0.3050**.

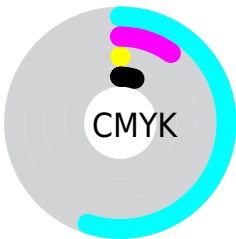
# Distribution



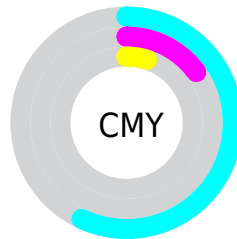
- Red (43%)
- Green (85%)
- Blue (95%)



- Red (43%)
- Yellow (66%)
- Blue (95%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)




- Cyan (57%)
- Magenta (15%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8686, 0.2371, 0.2987 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 59.8686, 0.2371, 0.2987 by changing the saturation by 10% instead.





 59.8686, 0.2371,  
0.2987

 59.8686, 0.2371,  
0.2987

424.1133, 0.2722,  
0.3141


 43.3127, 0.2291,  
0.2949


 104.6390, 0.2492,  
0.3043

 30.1306, 0.2194,  
0.2900


 133.6224, 0.2540,  
0.3064

 19.9377, 0.2071,  
0.2835


 167.5170, 0.2580,  
0.3082

 12.3498, 0.1912,  
0.2747


206.7073, 0.2616,  
0.3097

 6.9824, 0.1702,  
0.2621

251.5777, 0.2647,  
0.3110

 3.4511, 0.1412,  
0.2427

302.5126, 0.2675,

 1.3715, 0.0982,

0.3122

359.8963, 0.2700,  
0.3132

0.2110

0.1956, 0.0000,  
0.0934

0.0000, 0.0000,  
0.0000

59.8686, 0.2371,  
0.2987

59.8686, 0.2371,  
0.2987

56.2768, 0.2273,  
0.2922

63.9489, 0.2486,  
0.3050

53.1310, 0.2195,  
0.2856


68.5428, 0.2615,  
0.3111

50.3917, 0.2136,  
0.2789

73.6816, 0.2755,  
0.3168

48.0082, 0.2096,  
0.2724


79.3917, 0.2903,  
0.3221


 46.8195, 0.2080,  
0.2688

 85.6979, 0.3056,  
0.3269

 92.5952, 0.3211,  
0.3313

 95.2762, 0.3207,  
0.3356

 98.0206, 0.3204,  
0.3398

 99.1897, 0.3203,  
0.3415

# Harmonies

## Analogous

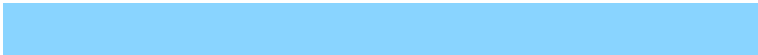
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.8686, 0.2534, 0.3376



59.8686, 0.2371, 0.2987



59.8686, 0.2393, 0.2719

# Triad

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



59.8686, 0.2371, 0.2987



59.8686, 0.3370, 0.2872



59.8686, 0.3653, 0.4016

# Complementary

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



59.8686, 0.2371, 0.2987



37.0295, 0.4595, 0.3549

# 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.



59.8686, 0.3909, 0.3816



59.8686, 0.2371, 0.2987



59.8686, 0.3746, 0.3167

# Square

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



59.8686, 0.2371, 0.2987



59.8686, 0.2946, 0.2675



59.8686, 0.3948, 0.3504



59.8686, 0.3265, 0.4012

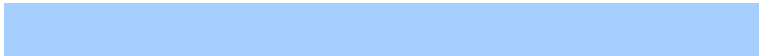


# Rectangle

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



59.8686, 0.2371, 0.2987



59.8686, 0.2509, 0.2631



59.8686, 0.3948, 0.3504



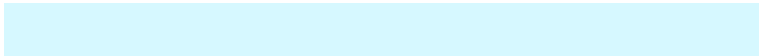
59.8686, 0.3758, 0.3967

# Sweetspot

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



59.8709, 0.2371, 0.2987



88.4307, 0.2881, 0.3213



68.4706, 0.2948, 0.4768



18.6364, 0.2850, 0.3202



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.



59.8709, 0.2371, 0.2987



63.1561, 0.2268, 0.2918



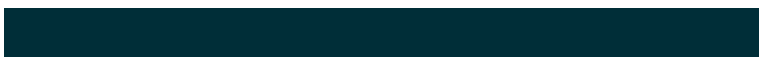
32.8223, 0.2189, 0.2113



17.4123, 0.2981, 0.3246



25.3415, 0.2083, 0.2699



2.2338, 0.2107, 0.2785



# Inverse Universe

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



35.0796, 0.3425, 0.2191



33.8776, 0.3499, 0.2030



60.3752, 0.4162, 0.4215



15.9793, 0.3166, 0.3099



12.3516, 0.3729, 0.1828

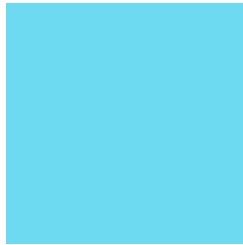


1.0402, 0.3648, 0.1783



# Previews

## White Background



This preview shows how the Yxy color 59.8686, 0.2371, 0.2987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

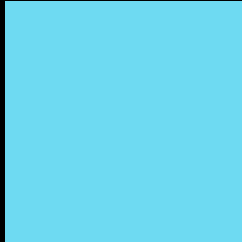
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8686, 0.2371, 0.2987 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 59.8686, 0.2371, 0.2987**

## Background



This preview shows how black text looks on a background with the Yxy color 59.8686, 0.2371, 0.2987.



This preview shows how white text looks on a background with the Yxy color 59.8686, 0.2371, 0.2987.

# 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

59.8686, 0.2371, 0.2987

### Protanopia

58.8920, 0.2898, 0.2944

### Deuteranopia

59.1841, 0.2809, 0.2753



## Tritanopia

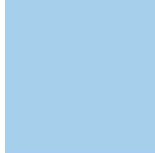
59.9656, 0.2388, 0.3060

# Trichromacy



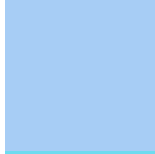
## Original Color

59.8686, 0.2371, 0.2987



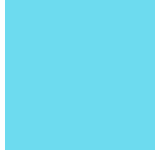
## Protanomaly

58.5655, 0.2666, 0.2964



## Deuteranomaly

58.4707, 0.2614, 0.2817



## Tritanomaly

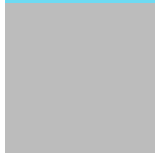
60.1462, 0.2383, 0.3035

# Monochromacy



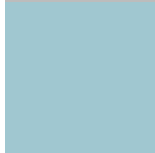
## Original Color

59.8686, 0.2371, 0.2987



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.8745, 0.2779, 0.3173

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8686, 0.2371, 0.2987 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(110, 218, 242)` looks like.

```
.text, #text, p{  
    color:rgb(110, 218, 242)  
}
```

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(110, 218, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 218, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8686, 0.2371, 0.2987 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(110, 218, 242) }
```

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

```
.border{ border-color:rgb(110, 218, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 218, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 218, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 218, 242);  
box-shadow:4px 4px 4px 4px rgb(110, 218,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8686, 0.2371, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 218, 242) }
```

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

```
.background{ background-color: rgb(110,  
218, 242) }
```

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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