

# Converting Colors

$Yxy(59.5057, 0.2517, 0.3077)$

Have a look what the booklet for  
Yxy(59.5057, 0.2517, 0.3077)  
contains.

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# Color

**Yxy(59.4954, 0.2517, 0.3075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D7E8
RGB	134, 215, 232
RGB Percent	53%, 84%, 91%
CMY	0.4746, 0.1569, 0.0901
CMYK	0.42, 0.07, 0.00, 0.09
HSL	190°, 68%, 72%
HSV	190°, 42%, 91%
XYZ	48.6992, 59.4954, 85.2864
YIQ	192.7190, -53.7330, -11.8850

# Conversions

## Conversions Part 2

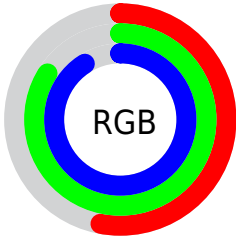
Format	Color
<a href="#">RYB</a>	<a href="#">134, 178, 232</a>
Decimal	<a href="#">8837096</a>
CIELab	<a href="#">81.56, -20.43, -16.15</a>
CIELCh	<a href="#">82, 26.045, 218.319</a>
Yxy	<a href="#">59.4954, 0.2517, 0.3075</a>
Android (android.graphics.Color)	<a href="#">4287027176</a> ( <a href="#">0xFF86D7E8</a> )
YUV	<a href="#">192.7190, 19.3655, -51.4966</a>
Hunter-Lab	<a href="#">77.1333, -22.2847, -11.5638</a>

# Details

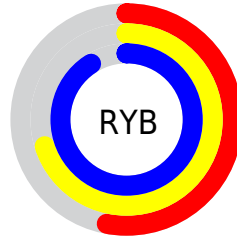
The Yxy color **59.4954, 0.2517, 0.3075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0219, 0.4138, 0.3489**, and the grayscale version is **53.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **29.8540, 0.2372, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **55.7682, 0.2400, 0.3015**, and if you desaturate by 10%, it is **63.6960, 0.2648, 0.3132**.

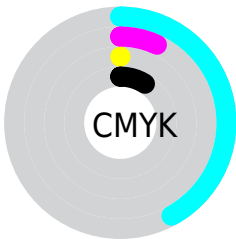
# Distribution



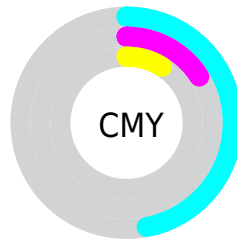
- Red (53%)
- Green (84%)
- Blue (91%)



- Red (53%)
- Yellow (70%)
- Blue (91%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4954, 0.2517, 0.3075 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 59.4954, 0.2517, 0.3075 by changing the saturation by 10% instead.





 59.4954, 0.2517,  
0.3075


 59.4954, 0.2517,  
0.3075


422.7353, 0.2803,  
0.3184

 43.0120, 0.2451,  
0.3048


 104.0973, 0.2617,  
0.3115

 29.8946, 0.2370,  
0.3013


 132.9847, 0.2655,  
0.3130

 19.7586, 0.2266,  
0.2966


 166.7755, 0.2688,  
0.3142

 12.2197, 0.2131,  
0.2902

205.8542, 0.2717,  
0.3153

 6.8935, 0.1948,  
0.2808

250.6051, 0.2743,  
0.3163

 3.3956, 0.1688,  
0.2661

301.4127, 0.2765,

 1.3416, 0.1288,

0.3171

0.2407

358.6613, 0.2785,  
0.3178

■ 0.1730, 0.0000,  
0.1127

■ 0.0000, 0.0000,  
0.0000

■ 59.4954, 0.2517,  
0.3075

■ 59.4954, 0.2517,  
0.3075

■ 55.7682, 0.2400,  
0.3015

■ 63.6960, 0.2648,  
0.3132

■ 52.4796, 0.2299,  
0.2954


■ 68.3886, 0.2790,  
0.3185


■ 49.6004, 0.2217,  
0.2891


■ 73.5990, 0.2939,  
0.3235

■ 47.0946, 0.2155,  
0.2828


■ 79.3491, 0.3092,  
0.3280

 44.9189, 0.2111,  
0.2765

 85.6595, 0.3247,  
0.3321

 43.4078, 0.2088,  
0.2717

 88.9312, 0.3278,  
0.3361

 91.3203, 0.3273,  
0.3400

 93.7624, 0.3269,  
0.3439

 96.2578, 0.3265,  
0.3477

# Harmonies

## Analogous

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



59.4954, 0.2665, 0.3390



59.4954, 0.2517, 0.3075



59.4954, 0.2522, 0.2844

# Triad

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



59.4954, 0.2517, 0.3075



59.4954, 0.3296, 0.2932



59.4954, 0.3577, 0.3867

# Complementary

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



59.4954, 0.2517, 0.3075



41.0219, 0.4138, 0.3489

# 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.



59.4954, 0.3767, 0.3703



59.4954, 0.2517, 0.3075



59.4954, 0.3603, 0.3171

# Square

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



59.4954, 0.2517, 0.3075



59.4954, 0.2956, 0.2778



59.4954, 0.3779, 0.3448



59.4954, 0.3271, 0.3871



# Rectangle

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



59.4954, 0.2517, 0.3075



59.4954, 0.2610, 0.2761



59.4954, 0.3779, 0.3448



59.4954, 0.3657, 0.3827

# Sweetspot

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



59.4977, 0.2517, 0.3075



90.6266, 0.2926, 0.3231



65.0130, 0.2979, 0.4379



19.0817, 0.2893, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

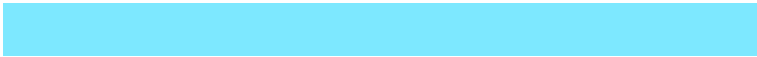


# Same Dimension

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



59.4977, 0.2517, 0.3075



69.5195, 0.2411, 0.3021



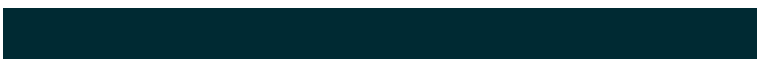
38.4118, 0.2410, 0.2426



15.8879, 0.2981, 0.3248



24.2552, 0.2091, 0.2727



1.9049, 0.2116, 0.2818



# Inverse Universe

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



39.1145, 0.3334, 0.2412



41.7640, 0.3391, 0.2241



59.8918, 0.3898, 0.4019



14.5700, 0.3164, 0.3098



11.6463, 0.3702, 0.1813

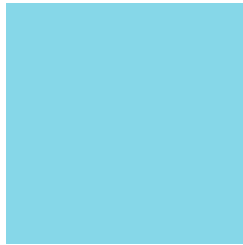


0.8720, 0.3618, 0.1767



# Previews

## White Background



This preview shows how the Yxy color 59.4954, 0.2517, 0.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

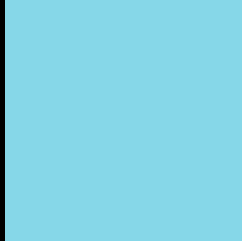
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4954, 0.2517, 0.3075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

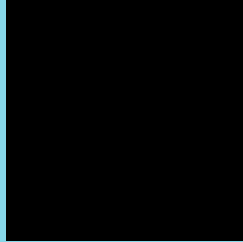
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.4954, 0.2517, 0.3075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4954, 0.2517, 0.3075.



This preview shows how white text looks on a background with the Yxy color 59.4954, 0.2517, 0.3075.

# 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

59.4954, 0.2517, 0.3075

### Protanopia

58.7784, 0.2959, 0.3023

### Deuteranopia

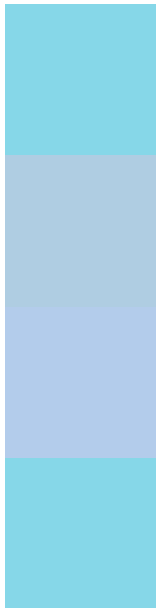
58.9678, 0.2915, 0.2851



## Tritanopia

59.4954, 0.2517, 0.3075

# Trichromacy



**Original Color**

59.4954, 0.2517, 0.3075

**Protanomaly**

58.2676, 0.2774, 0.3036

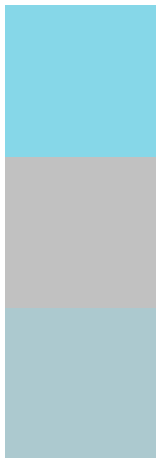
**Deuteranomaly**

58.7676, 0.2745, 0.2924

**Tritanomaly**

59.4954, 0.2517, 0.3075

# Monochromacy



**Original Color**

59.4954, 0.2517, 0.3075

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

55.0489, 0.2870, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4954, 0.2517, 0.3075 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(134, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(134, 215, 232)  
}
```

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(134, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 215, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4954, 0.2517, 0.3075 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(134, 215, 232) }
```

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

```
.border{ border-color:rgb(134, 215, 232) }
```

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

Here you see how a box with a 4 pixel rgb(134, 215, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(134, 215,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4954, 0.2517, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 215, 232) }
```

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

```
.background{ background-color: rgb(134,  
215, 232) }
```

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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