

# Converting Colors

$Y_{xy}(58.2329, 0.2592, 0.2944)$

Have a look what the booklet for  
Yxy(58.2329, 0.2592, 0.2944)  
contains.

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# Color

**Yxy(58.1947, 0.2591, 0.2936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD0ED
RGB	155, 208, 237
RGB Percent	61%, 82%, 93%
CMY	0.3923, 0.1843, 0.0705
CMYK	0.35, 0.12, 0.00, 0.07
HSL	201°, 70%, 77%
HSV	201°, 35%, 93%
XYZ	51.3564, 58.1947, 88.6597
YIQ	195.4590, -40.8970, -2.2170

# Conversions

## Conversions Part 2

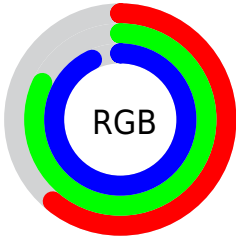
Format	Color
R <sub>YB</sub>	155, 187, 237
Decimal	10211565
CIE <sub>Lab</sub>	80.85, -10.20, -19.78
CIE <sub>LCh</sub>	81, 22.257, 242.727
Yxy	58.1947, 0.2591, 0.2936
Android (android.graphics.Color)	4288401645 (0xFF9BD0ED)
YUV	195.4590, 20.4797, -35.4825
Hunter-Lab	76.2855, -13.3309, -15.5076

# Details

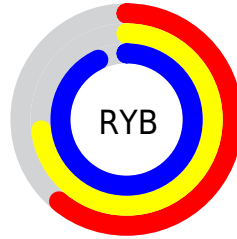
The Yxy color **58.1947, 0.2591, 0.2936** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.6449, 0.3837, 0.3616**, and the grayscale version is **54.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **29.2141, 0.2465, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **52.0989, 0.2444, 0.2814**, and if you desaturate by 10%, it is **64.9711, 0.2744, 0.3050**.

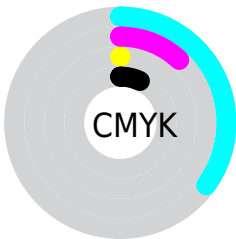
# Distribution



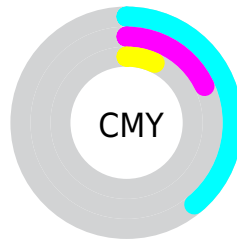
- Red (61%)
- Green (82%)
- Blue (93%)



- Red (61%)
- Yellow (73%)
- Blue (93%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)




- Cyan (39%)
- Magenta (18%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1947, 0.2591, 0.2936 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 58.1947, 0.2591, 0.2936 by changing the saturation by 10% instead.





 58.1947, 0.2591,  
0.2936

 58.1947, 0.2591,  
0.2936


417.9110, 0.2844,  
0.3109

 41.9652, 0.2532,  
0.2895


 102.2063, 0.2680,  
0.2998

 29.0740, 0.2460,  
0.2842


 130.7573, 0.2714,  
0.3021

 19.1368, 0.2367,  
0.2774


164.1841, 0.2743,  
0.3041

 11.7692, 0.2245,  
0.2683

202.8713, 0.2769,  
0.3058

 6.5867, 0.2078,  
0.2555

247.2031, 0.2791,  
0.3073

 3.2050, 0.1839,  
0.2362

297.5641, 0.2811,

 1.2397, 0.1475,

0.3087

0.2046

354.3386, 0.2828,  
0.3098

0.0938, 0.0000,  
0.0559

0.0000, 0.0000,  
0.0000

58.1947, 0.2591,  
0.2936

58.1947, 0.2591,  
0.2936

52.0989, 0.2444,  
0.2814

64.9711, 0.2744,  
0.3050

46.6467, 0.2308,  
0.2684

72.4495, 0.2900,  
0.3155

41.8069, 0.2186,  
0.2550

80.6582, 0.3056,  
0.3249

37.5426, 0.2082,  
0.2413

89.6221, 0.3209,  
0.3335

■ 33.8110, 0.1998,  
0.2275

■ 95.6900, 0.3236,  
0.3415

■ 30.5606, 0.1935,  
0.2141

■ 98.8955, 0.3232,  
0.3463

■ 28.9696, 0.1908,  
0.2069

# Harmonies

## Analogous

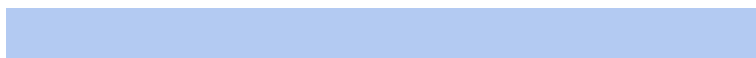
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.1947, 0.2613, 0.3155



58.1947, 0.2591, 0.2936



58.1947, 0.2704, 0.2823

# Triad

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



58.1947, 0.2591, 0.2936



58.1947, 0.3494, 0.3146



58.1947, 0.3307, 0.3798

# Complementary

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



58.1947, 0.2591, 0.2936



54.6449, 0.3837, 0.3616

# 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.



58.1947, 0.3556, 0.3770



58.1947, 0.2591, 0.2936



58.1947, 0.3670, 0.3385

# Square

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



58.1947, 0.2591, 0.2936



58.1947, 0.3219, 0.2947



58.1947, 0.3692, 0.3613



58.1947, 0.3018, 0.3673



# Rectangle

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



58.1947, 0.2591, 0.2936



58.1947, 0.2844, 0.2815



58.1947, 0.3692, 0.3613



58.1947, 0.3398, 0.3806

# Sweetspot

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



58.1970, 0.2591, 0.2936



89.8624, 0.2972, 0.3199



70.9919, 0.2920, 0.3954



18.9446, 0.2950, 0.3186



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

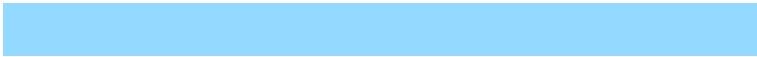


# Same Dimension

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



58.1970, 0.2591, 0.2936



63.2014, 0.2479, 0.2844



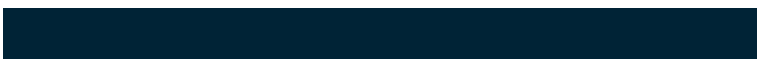
40.8195, 0.2521, 0.2412



16.1737, 0.2981, 0.3205



16.0698, 0.1914, 0.2091



1.4418, 0.1966, 0.2276



# Inverse Universe

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



45.9943, 0.3423, 0.2713



47.4252, 0.3511, 0.2588



74.0673, 0.3689, 0.4037



15.2181, 0.3192, 0.3139



11.1151, 0.4351, 0.2171

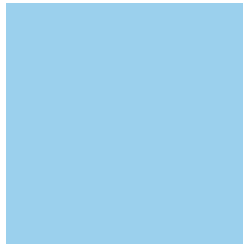


0.8910, 0.4151, 0.2061



# Previews

## White Background



This preview shows how the Yxy color 58.1947, 0.2591, 0.2936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

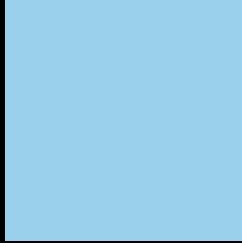
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1947, 0.2591, 0.2936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

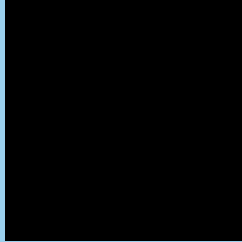
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1947, 0.2591, 0.2936**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1947, 0.2591, 0.2936.



This preview shows how white text looks on a background with the Yxy color 58.1947, 0.2591, 0.2936.

# 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

58.1947, 0.2591, 0.2936

### Protanopia

57.6270, 0.2869, 0.2907

### Deuteranopia

58.0505, 0.2852, 0.2793



## Tritanopia

58.3146, 0.2631, 0.3078

# Trichromacy



**Original Color**

58.1947, 0.2591, 0.2936

**Protanomaly**

57.8276, 0.2762, 0.2923

**Deuteranomaly**

57.7309, 0.2751, 0.2836

**Tritanomaly**

58.1428, 0.2614, 0.3018

# Monochromacy



**Original Color**

58.1947, 0.2591, 0.2936

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.6650, 0.2907, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1947, 0.2591, 0.2936 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(155, 208, 237)` looks like.

```
.text, #text, p{  
  color:rgb(155, 208, 237)  
}
```

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(155, 208, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 208, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1947, 0.2591, 0.2936 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(155, 208, 237) }
```

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

```
.border{ border-color:rgb(155, 208, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 208, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 208, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 208, 237);  
box-shadow:4px 4px 4px 4px rgb(155, 208,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1947, 0.2591, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 208, 237) }
```

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

```
.background{ background-color: rgb(155,  
208, 237) }
```

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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