

# Converting Colors

Yxy(58.7197, 0.2777, 0.2926)

Have a look what the booklet for  
Yxy(58.7197, 0.2777, 0.2926)  
contains.

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# Color

**Yxy(58.7197, 0.2777, 0.2926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7CBEA
RGB	183, 203, 234
RGB Percent	72%, 80%, 92%
CMY	0.2825, 0.2039, 0.0824
CMYK	0.22, 0.13, 0.00, 0.08
HSL	216°, 55%, 82%
HSV	216°, 22%, 92%
XYZ	55.7295, 58.7197, 86.2333
YIQ	200.5540, -21.8710, 5.4010

# Conversions

## Conversions Part 2

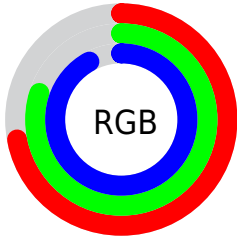
Format	Color
R <sub>Y</sub> B	183, 197, 234
Decimal	12045290
CIE Lab	81.14, -0.20, -17.56
CIE LCh	81, 17.564, 269.333
Yxy	58.7197, 0.2777, 0.2926
Android (android.graphics.Color)	4290235370 (0xFFB7CBEA)
YUV	200.5540, 16.4889, -15.3949
Hunter-Lab	76.6288, -4.2833, -13.0811

# Details

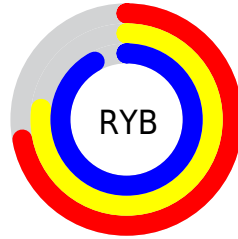
The Yxy color **58.7197, 0.2777, 0.2926** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9788, 0.3499, 0.3629**, and the grayscale version is **58.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **29.3764, 0.2689, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **49.6810, 0.2605, 0.2729**, and if you desaturate by 10%, it is **68.8552, 0.2943, 0.3104**.

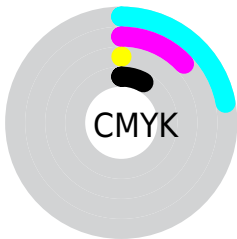
# Distribution



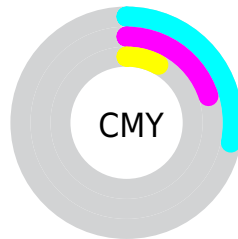
- Red (72%)
- Green (80%)
- Blue (92%)



- Red (72%)
- Yellow (77%)
- Blue (92%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)



- Cyan (28%)
- Magenta (20%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7197, 0.2777, 0.2926 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 58.7197, 0.2777, 0.2926 by changing the saturation by 10% instead.



■ 58.7197, 0.2777,  
0.2926

■ 58.7197, 0.2777,  
0.2926

419.8624, 0.2944,  
0.3100

■ 42.3875, 0.2738,  
0.2885

■ 102.9702, 0.2836,  
0.2987

■ 29.4049, 0.2689,  
0.2834

131.6572, 0.2858,  
0.3011

■ 19.3873, 0.2626,  
0.2769

165.2314, 0.2878,  
0.3031

■ 11.9505, 0.2542,  
0.2681

204.0771, 0.2894,  
0.3048

■ 6.7100, 0.2426,  
0.2560

248.5786, 0.2909,  
0.3064

■ 3.2814, 0.2254,  
0.2381

299.1204, 0.2922,

■ 1.2803, 0.1979,

0.3077

0.2093

356.0869, 0.2934,  
0.3089

0.1259, 0.0689,  
0.0757

0.0000, 0.0000,  
0.0000

58.7197, 0.2777,  
0.2926

58.7197, 0.2777,  
0.2926

49.6810, 0.2605,  
0.2729

68.8552, 0.2943,  
0.3104

41.6919, 0.2431,  
0.2516

80.1182, 0.3100,  
0.3263

34.7121, 0.2259,  
0.2288

92.5467, 0.3247,  
0.3404

28.6956, 0.2096,  
0.2052

98.7202, 0.3250,  
0.3493

■ 23.5921, 0.1950,  
0.1815

■ 19.3455, 0.1826,  
0.1585

■ 15.8914, 0.1730,  
0.1373

■ 13.5787, 0.1671,  
0.1215

# Harmonies

## Analogous

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



58.7197, 0.2698, 0.3029



58.7197, 0.2777, 0.2926



58.7197, 0.2949, 0.2919

# Triad

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



58.7197, 0.2777, 0.2926



58.7197, 0.3543, 0.3347



58.7197, 0.3068, 0.3604

# Complementary

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



58.7197, 0.2777, 0.2926



68.9788, 0.3499, 0.3629

# 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.



58.7197, 0.3296, 0.3690



58.7197, 0.2777, 0.2926



58.7197, 0.3575, 0.3530

# Square

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



58.7197, 0.2777, 0.2926



58.7197, 0.3394, 0.3157



58.7197, 0.3483, 0.3659



58.7197, 0.2862, 0.3424



# Rectangle

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



58.7197, 0.2777, 0.2926



58.7197, 0.3097, 0.2966



58.7197, 0.3483, 0.3659



58.7197, 0.3145, 0.3646

# Sweetspot

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



58.7221, 0.2777, 0.2926



90.0488, 0.3019, 0.3182



73.7401, 0.2918, 0.3526



19.0974, 0.3009, 0.3173



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.



58.7221, 0.2777, 0.2926



66.4699, 0.2703, 0.2843



50.4967, 0.2797, 0.2688



15.5195, 0.2980, 0.3143



7.8592, 0.1679, 0.1244



0.7997, 0.1755, 0.1519



# Inverse Universe

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



55.6595, 0.3400, 0.3070



62.4193, 0.3469, 0.3024



78.9003, 0.3419, 0.3840



15.1520, 0.3231, 0.3198



10.2862, 0.5404, 0.2751

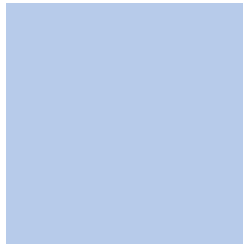


0.8261, 0.5034, 0.2547



# Previews

## White Background



This preview shows how the Yxy color 58.7197, 0.2777, 0.2926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

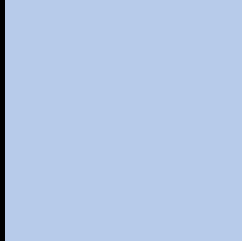
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7197, 0.2777, 0.2926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

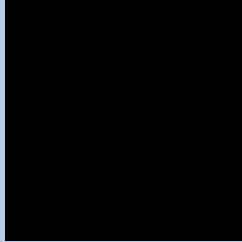
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

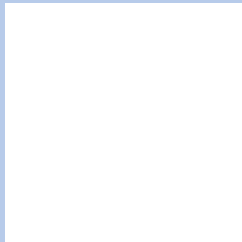
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7197, 0.2777, 0.2926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7197, 0.2777, 0.2926.



This preview shows how white text looks on a background with the Yxy color 58.7197, 0.2777, 0.2926.

# 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

58.7197, 0.2777, 0.2926

### Protanopia

58.8705, 0.2878, 0.2922

### Deuteranopia

58.3154, 0.2914, 0.2849



## Tritanopia

58.7069, 0.2846, 0.3097

# Trichromacy



## Original Color

58.7197, 0.2777, 0.2926

## Protanomaly

58.7328, 0.2837, 0.2919

## Deuteranomaly

58.5808, 0.2858, 0.2877

## Tritanomaly

58.6218, 0.2821, 0.3028

# Monochromacy



## Original Color

58.7197, 0.2777, 0.2926

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.5145, 0.2990, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7197, 0.2777, 0.2926 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(183, 203, 234)` looks like.

```
.text, #text, p{  
    color:rgb(183, 203, 234)  
}
```

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(183, 203, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 203, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7197, 0.2777, 0.2926 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(183, 203, 234) }
```

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

```
.border{ border-color:rgb(183, 203, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 203, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 203, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 203, 234);  
box-shadow:4px 4px 4px 4px rgb(183, 203,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7197, 0.2777, 0.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 203, 234) }
```

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

```
.background{ background-color: rgb(183,  
203, 234) }
```

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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