

# Converting Colors

Yxy(62.4850, 0.2360, 0.2167)

Have a look what the booklet for  
Yxy(62.4850, 0.2360, 0.2167)  
contains.

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# Color

**Yxy(58.2319, 0.2632, 0.2664)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B4C8FF
RGB	180, 200, 255
RGB Percent	71%, 78%, 100%
CMY	0.2940, 0.2157, 0.0000
CMYK	0.29, 0.22, 0.00, 0.00
HSL	224°, 100%, 85%
HSV	224°, 29%, 100%
XYZ	57.5324, 58.2319, 102.8239
YIQ	200.2900, -29.5750, 12.8650

# Conversions

## Conversions Part 2

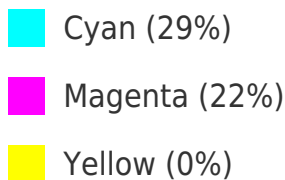
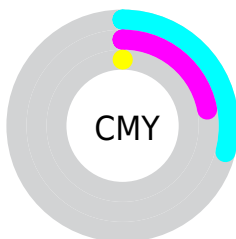
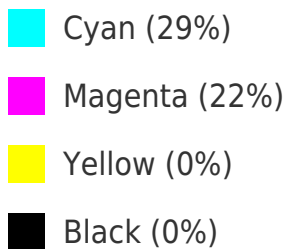
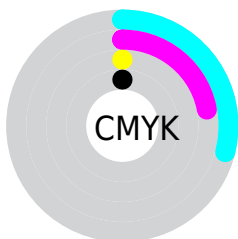
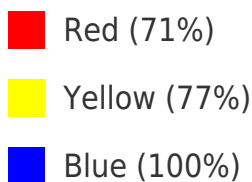
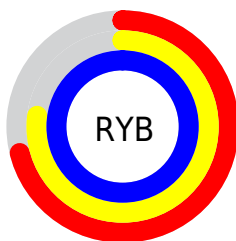
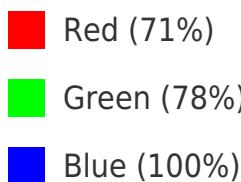
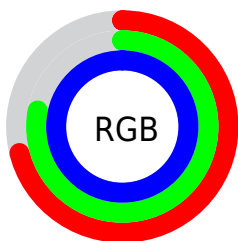
Format	Color
<a href="#">RYB</a>	<a href="#">180, 196, 255</a>
Decimal	<a href="#">11847935</a>
CIELab	<a href="#">80.87, 5.42, -29.21</a>
CIELCh	<a href="#">81, 29.705, 280.519</a>
Yxy	<a href="#">58.2319, 0.2632, 0.2664</a>
Android (android.graphics.Color)	<a href="#">4290038015</a> (0xFFB4C8FF)
YUV	<a href="#">200.2900, 26.9720, -17.7943</a>
Hunter-Lab	<a href="#">76.3098, 1.0347, -26.4736</a>

# Details

The Yxy color **58.2319, 0.2632, 0.2664** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.9921, 0.3626, 0.3845**, and the grayscale version is **57.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **28.9950, 0.2506, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **47.3068, 0.2445, 0.2407**, and if you desaturate by 10%, it is **70.7835, 0.2812, 0.2900**.


# Distribution




# Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2319, 0.2632, 0.2664 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 58.2319, 0.2632, 0.2664 by changing the saturation by 10% instead.

 58.2319, 0.2632,  
0.2664

 58.2319, 0.2632,  
0.2664


418.0495, 0.2867,  
0.2956

 41.9951, 0.2577,  
0.2597


 102.2605, 0.2715,  
0.2766

 29.0975, 0.2509,  
0.2515


130.8211, 0.2746,  
0.2805

 19.1546, 0.2423,  
0.2410


164.2584, 0.2774,  
0.2839

 11.7820, 0.2309,  
0.2275

202.9568, 0.2797,  
0.2869

 6.5954, 0.2154,  
0.2094

247.3007, 0.2818,  
0.2895

 3.2104, 0.1934,  
0.1840


297.6745, 0.2836,


 1.2425, 0.1601,


0.2918


0.1468


354.4627, 0.2853,  
0.2938


 0.0960, 0.0742,  
0.0319

 0.0000, 0.0000,  
0.0000


 58.2319, 0.2632,  
0.2664


 58.2319, 0.2632,  
0.2664

 47.3068, 0.2445,  
0.2407


 70.7835, 0.2812,  
0.2900

 37.9344, 0.2256,  
0.2133

 85.0217, 0.2981,  
0.3112

 30.0421, 0.2073,  
0.1851

100.0000, 0.3127,  
0.3290

 23.5491, 0.1906,  
0.1573

■ 18.3659, 0.1765,  
0.1313

■ 14.3909, 0.1657,  
0.1085

■ 11.4905, 0.1585,  
0.0902

■ 11.3438, 0.1581,  
0.0892

# Harmonies

## Analogous

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



58.2319, 0.2445, 0.2764



58.2319, 0.2632, 0.2664



58.2319, 0.2957, 0.2716

# Triad

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



58.2319, 0.2632, 0.2664



58.2319, 0.3883, 0.3489



58.2319, 0.2882, 0.3734

# Complementary

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



58.2319, 0.2632, 0.2664



83.9921, 0.3626, 0.3845

# 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.



58.2319, 0.3261, 0.3954



58.2319, 0.2632, 0.2664



58.2319, 0.3852, 0.3777

# Square

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



58.2319, 0.2632, 0.2664



58.2319, 0.3695, 0.3174



58.2319, 0.3619, 0.3959



58.2319, 0.2581, 0.3375

# Rectangle

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



58.2319, 0.2632, 0.2664



58.2319, 0.3216, 0.2826



58.2319, 0.3619, 0.3959



58.2319, 0.3004, 0.3829

# Sweetspot

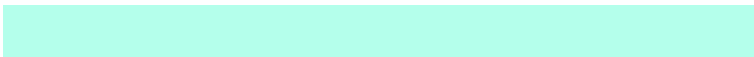
The Sweet Spot groups the original color and five complimentary colors.



58.2335, 0.2632, 0.2664



85.6278, 0.2987, 0.3120



87.2254, 0.2799, 0.3509



17.8593, 0.2963, 0.3091



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.



58.2335, 0.2632, 0.2664



51.9193, 0.2528, 0.2522



51.8152, 0.2728, 0.2456



18.1645, 0.2979, 0.3110



6.1346, 0.1589, 0.0918



0.7676, 0.1648, 0.1131



# Inverse Universe

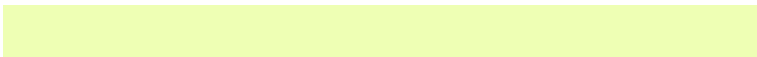
The Inverse Universe completely reimagines the original color for something new.



58.0842, 0.3610, 0.3084



52.1384, 0.3740, 0.3043



92.9084, 0.3455, 0.4058



18.0665, 0.3252, 0.3227



11.3473, 0.5883, 0.3015

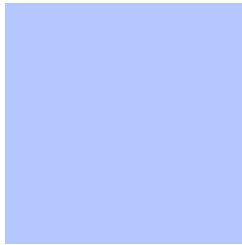


1.1220, 0.5566, 0.2840



# Previews

## White Background



This preview shows how the Yxy color 58.2319, 0.2632, 0.2664 looks on a white background.

## Color Contrast Check

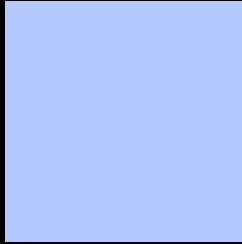
Large Text (above 18pt) WCAG AA × Fail

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 58.2319, 0.2632, 0.2664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

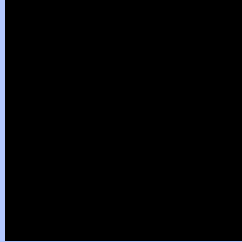
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.2319, 0.2632, 0.2664**

## Background



This preview shows how black text looks on a background with the Yxy color 58.2319, 0.2632, 0.2664.



This preview shows how white text looks on a background with the Yxy color 58.2319, 0.2632, 0.2664.

# 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

58.2319, 0.2632, 0.2664

### Protanopia

58.1087, 0.2680, 0.2658

### Deuteranopia

58.2289, 0.2699, 0.2641



## Tritanopia

58.3008, 0.2786, 0.3095

# Trichromacy



**Original Color**  
58.2319, 0.2632, 0.2664

**Protanomaly**  
58.1930, 0.2662, 0.2667

**Deuteranomaly**  
58.1730, 0.2674, 0.2648

**Tritanomaly**  
58.3564, 0.2732, 0.2933

# Monochromacy



**Original Color**  
58.2319, 0.2632, 0.2664

**Achromatopsia**  
57.7580, 0.3127, 0.3290

**Achromatomaly**  
57.8133, 0.2935, 0.3054

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2319, 0.2632, 0.2664 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(180, 200, 255) looks like.

```
.text, #text, p{  
    color:rgb(180, 200, 255)  
}
```

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(180, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 200, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2319, 0.2632, 0.2664 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(180, 200, 255) }
```

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

```
.border{ border-color:rgb(180, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to Yxy 58.2319, 0.2632, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 200, 255) }
```

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

```
.background{ background-color: rgb(180,  
200, 255) }
```

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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