

# Converting Colors

Yxy(65.5401, 0.2643, 0.2843)

Have a look what the booklet for  
Yxy(65.5401, 0.2643, 0.2843)  
contains.

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# Color

**Yxy(65.4046, 0.2645, 0.2839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D7FF
RGB	179, 215, 255
RGB Percent	70%, 84%, 100%
CMY	0.2982, 0.1568, 0.0000
CMYK	0.30, 0.16, 0.00, 0.00
HSL	212°, 100%, 85%
HSV	212°, 30%, 100%
XYZ	60.9352, 65.4046, 104.0392
YIQ	208.7960, -34.2960, 4.8080

# Conversions

## Conversions Part 2

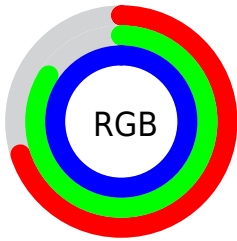
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 203, 255
Decimal	11786239
CIE Lab	84.69, -2.88, -23.38
CIE LCh	85, 23.559, 262.975
Yxy	65.4046, 0.2645, 0.2839
Android (android.graphics.Color)	4289976319 (0xFFB3D7FF)
YUV	208.7960, 22.7786, -26.1311
Hunter-Lab	80.8731, -7.0340, -19.6624

# Details

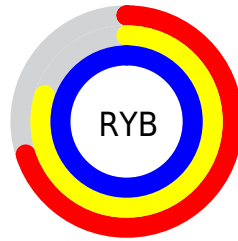
The Yxy color **65.4046, 0.2645, 0.2839** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.1452, 0.3679, 0.3701**, and the grayscale version is **63.4814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **33.5039, 0.2530, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **56.0921, 0.2478, 0.2658**, and if you desaturate by 10%, it is **75.8407, 0.2812, 0.3006**.

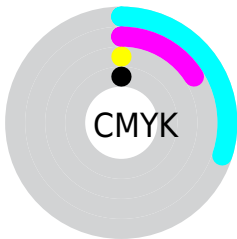
# Distribution



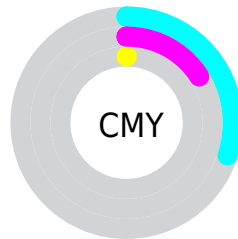
- Red (70%)
- Green (84%)
- Blue (100%)



- Red (70%)
- Yellow (80%)
- Blue (100%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4046, 0.2645, 0.2839 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 65.4046, 0.2645, 0.2839 by changing the saturation by 10% instead.



■ 65.4046, 0.2645,  
0.2839

■ 65.4046, 0.2645,  
0.2839

444.2445, 0.2869,  
0.3050

■ 47.7892, 0.2594,  
0.2790

■ 112.6313, 0.2723,  
0.2913

■ 33.6600, 0.2531,  
0.2731

143.0115, 0.2753,  
0.2941

■ 22.6325, 0.2452,  
0.2655

178.4154, 0.2779,  
0.2966

■ 14.3224, 0.2349,  
0.2555

219.2274, 0.2801,  
0.2987

■ 8.3452, 0.2211,  
0.2421

265.8319, 0.2821,  
0.3006

■ 4.3166, 0.2016,  
0.2230

318.6134, 0.2839,

■ 1.8522, 0.1726,

0.3022

0.1940

377.9561, 0.2855,  
0.3037

0.5194, 0.1130,  
0.1386

0.0000, 0.0000,  
0.0000

65.4046, 0.2645,  
0.2839

65.4046, 0.2645,  
0.2839

56.0921, 0.2478,  
0.2658

75.8407, 0.2812,  
0.3006

47.8557, 0.2314,  
0.2463

87.4386, 0.2974,  
0.3157

40.6485, 0.2160,  
0.2259

100.0000, 0.3127,  
0.3290

34.4180, 0.2021,  
0.2051

■ 29.1059, 0.1903,  
0.1845

■ 24.6447, 0.1809,  
0.1647

■ 20.9347, 0.1740,  
0.1462

■ 20.8737, 0.1739,  
0.1459

# Harmonies

## Analogous

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



65.4046, 0.2574, 0.2992



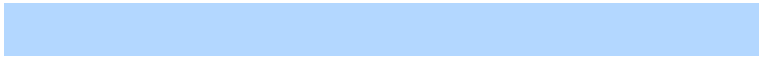
65.4046, 0.2645, 0.2839



65.4046, 0.2841, 0.2807

# Triad

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



65.4046, 0.2645, 0.2839



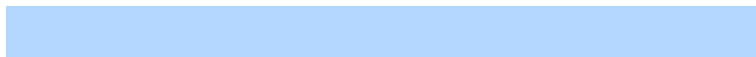
65.4046, 0.3637, 0.3306



65.4046, 0.3111, 0.3738

# Complementary

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



65.4046, 0.2645, 0.2839



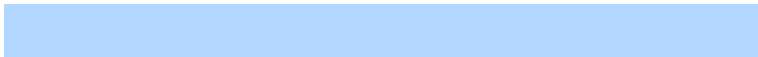
75.1452, 0.3679, 0.3701

# 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.



65.4046, 0.3401, 0.3815



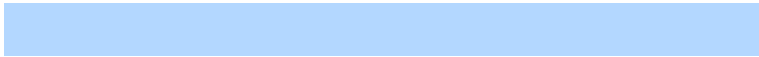
65.4046, 0.2645, 0.2839



65.4046, 0.3714, 0.3548

# Square

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



65.4046, 0.2645, 0.2839



65.4046, 0.3416, 0.3071



65.4046, 0.3624, 0.3738

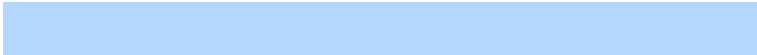


65.4046, 0.2834, 0.3521



# Rectangle

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



65.4046, 0.2645, 0.2839



65.4046, 0.3023, 0.2852



65.4046, 0.3624, 0.3738



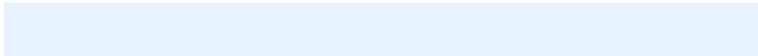
65.4046, 0.3210, 0.3781

# Sweetspot

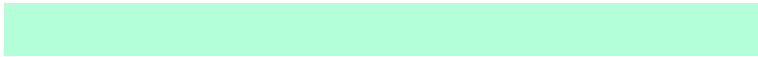
The Sweet Spot groups the original color and five complimentary colors.



65.4057, 0.2645, 0.2839



88.4448, 0.2987, 0.3169



86.1730, 0.2879, 0.3702



18.5508, 0.2964, 0.3148



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

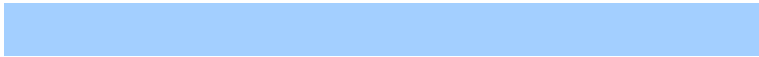


# Same Dimension

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



65.4057, 0.2645, 0.2839



59.5220, 0.2542, 0.2729



49.1717, 0.2606, 0.2416



18.7984, 0.2979, 0.3162



11.2011, 0.1747, 0.1489



1.3075, 0.1806, 0.1701



# Inverse Universe

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



58.3888, 0.3483, 0.2921



52.0172, 0.3584, 0.2842



95.7932, 0.3571, 0.4040



18.1305, 0.3219, 0.3178



11.8587, 0.5074, 0.2569

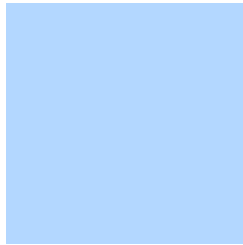


1.1765, 0.4806, 0.2421



# Previews

## White Background



This preview shows how the Yxy color 65.4046, 0.2645, 0.2839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

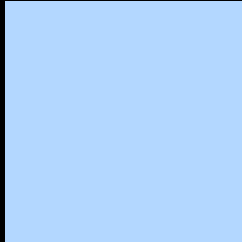
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.4046, 0.2645, 0.2839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

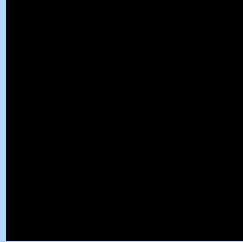
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

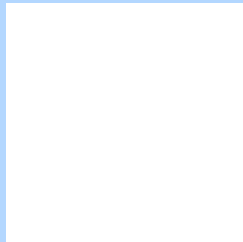
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.4046, 0.2645, 0.2839**

## Background



This preview shows how black text looks on a background with the Yxy color 65.4046, 0.2645, 0.2839.



This preview shows how white text looks on a background with the Yxy color 65.4046, 0.2645, 0.2839.

# 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

65.4046, 0.2645, 0.2839

### Protanopia

65.1225, 0.2806, 0.2830

### Deuteranopia

65.4010, 0.2827, 0.2774



## Tritanopia

65.3129, 0.2729, 0.3079

# Trichromacy



**Original Color**

65.4046, 0.2645, 0.2839

**Protanomaly**

65.0861, 0.2750, 0.2836

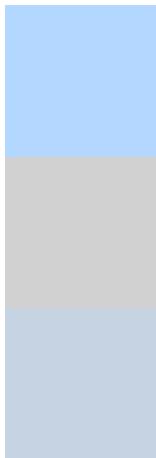
**Deuteranomaly**

65.3190, 0.2757, 0.2797

**Tritanomaly**

65.3269, 0.2695, 0.2989

# Monochromacy



**Original Color**

65.4046, 0.2645, 0.2839

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

64.0853, 0.2934, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4046, 0.2645, 0.2839 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(179, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 215, 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(179, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4046, 0.2645, 0.2839 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(179, 215, 255) }
```

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

```
.border{ border-color:rgb(179, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 215,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4046, 0.2645, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 215, 255) }
```

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

```
.background{ background-color: rgb(179,  
215, 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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