

# Converting Colors

$Yxy(63.4711, 0.2684, 0.2920)$

Have a look what the booklet for  
Yxy(63.4711, 0.2684, 0.2920)  
contains.

<b>Yxy(63.5282, 0.2685, 0.2921)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.5282, 0.2685, 0.2921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1D5F5
RGB	177, 213, 245
RGB Percent	69%, 84%, 96%
CMY	0.3061, 0.1646, 0.0392
CMYK	0.28, 0.13, 0.00, 0.04
HSL	208°, 77%, 83%
HSV	208°, 28%, 96%
XYZ	58.3955, 63.5282, 95.5642
YIQ	205.8840, -31.7280, 2.3200

# Conversions

## Conversions Part 2

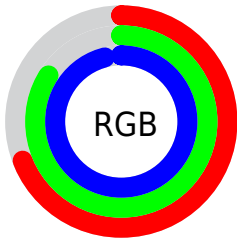
Format	Color
<b>RYB</b>	177, 201, 245
Decimal	11654645
CIELab	83.72, -4.77, -19.56
CIELCh	84, 20.130, 256.306
Yxy	63.5282, 0.2685, 0.2921
Android (android.graphics.Color)	4289844725 (0xFFB1D5F5)
YUV	205.8840, 19.2842, -25.3313
Hunter-Lab	79.7046, -8.7052, -15.2943

# Details

The Yxy color **63.5282, 0.2685, 0.2921** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.1416, 0.3644, 0.3632**, and the grayscale version is **61.5276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **32.3388, 0.2578, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **55.3214, 0.2523, 0.2763**, and if you desaturate by 10%, it is **72.6675, 0.2847, 0.3066**.

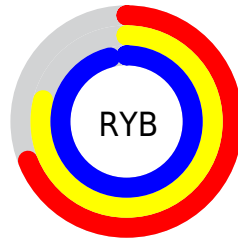
# Distribution



Red (69%)

Green (84%)

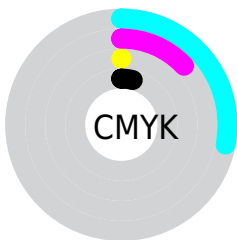
Blue (96%)



Red (69%)

Yellow (79%)

Blue (96%)

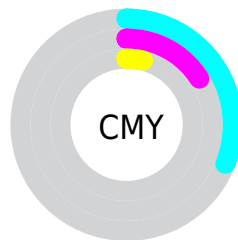


Cyan (28%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (16%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5282, 0.2685, 0.2921 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 63.5282, 0.2685, 0.2921 by changing the saturation by 10% instead.



■ 63.5282, 0.2685,  
0.2921

■ 63.5282, 0.2685,  
0.2921

437.4839, 0.2891,  
0.3096

■ 46.2687, 0.2638,  
0.2880

■ 109.9312, 0.2757,  
0.2982

■ 32.4579, 0.2579,  
0.2829

139.8434, 0.2785,  
0.3006

■ 21.7115, 0.2504,  
0.2764

174.7420, 0.2809,  
0.3026

■ 13.6450, 0.2407,  
0.2679

215.0113, 0.2830,  
0.3044

■ 7.8742, 0.2275,  
0.2560

261.0358, 0.2848,  
0.3059

■ 4.0146, 0.2086,  
0.2388

313.1997, 0.2864,

■ 1.6817, 0.1797,

0.3073

0.2118

371.8877, 0.2879,  
0.3085

0.4118, 0.0990,  
0.1482

0.0000, 0.0000,  
0.0000

63.5282, 0.2685,  
0.2921

63.5282, 0.2685,  
0.2921

55.3214, 0.2523,  
0.2763

72.6675, 0.2847,  
0.3066

48.0032, 0.2365,  
0.2593

82.7654, 0.3007,  
0.3197

41.5374, 0.2217,  
0.2414

93.8564, 0.3161,  
0.3315

35.8813, 0.2082,  
0.2230

99.3722, 0.3185,  
0.3386

■ 30.9873, 0.1967,  
0.2044

■ 26.8008, 0.1875,  
0.1862

■ 23.2512, 0.1806,  
0.1689

■ 22.5277, 0.1792,  
0.1651

# Harmonies

## Analogous

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



63.5282, 0.2649, 0.3076



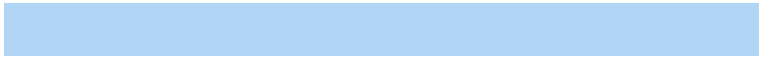
63.5282, 0.2685, 0.2921



63.5282, 0.2835, 0.2868

# Triad

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



63.5282, 0.2685, 0.2921



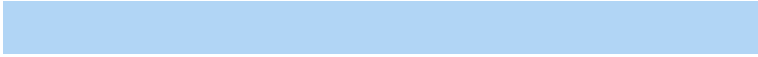
63.5282, 0.3533, 0.3258



63.5282, 0.3172, 0.3700

# Complementary

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



63.5282, 0.2685, 0.2921



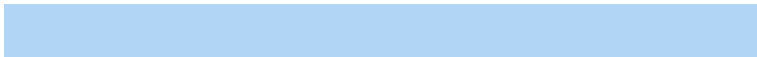
68.1416, 0.3644, 0.3632

# 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.



63.5282, 0.3415, 0.3738



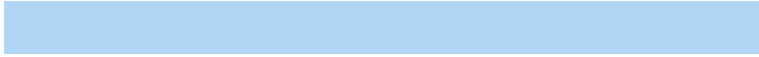
63.5282, 0.2685, 0.2921



63.5282, 0.3630, 0.3471

# Square

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



63.5282, 0.2685, 0.2921



63.5282, 0.3324, 0.3060



63.5282, 0.3585, 0.3649

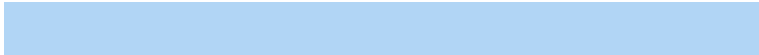


63.5282, 0.2923, 0.3537



# Rectangle

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



63.5282, 0.2685, 0.2921



63.5282, 0.2983, 0.2891



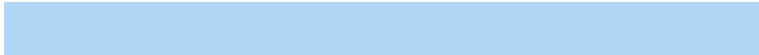
63.5282, 0.3585, 0.3649



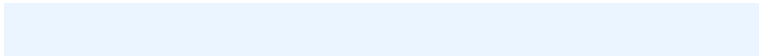
63.5282, 0.3257, 0.3728

# Sweetspot

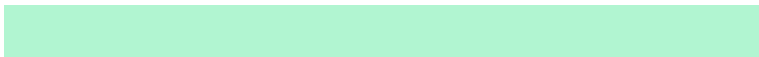
The Sweet Spot groups the original color and five complimentary colors.



63.5307, 0.2685, 0.2921



90.3707, 0.3003, 0.3194



79.2293, 0.2914, 0.3709



18.9722, 0.2979, 0.3175



0.0000, 0.0000, 0.0000

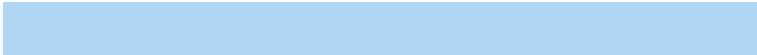


21.4041, 0.3127, 0.3290

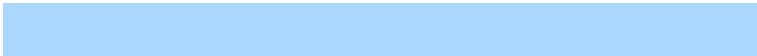


# Same Dimension

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



63.5307, 0.2685, 0.2921



64.6986, 0.2599, 0.2839



48.2560, 0.2643, 0.2513



17.3814, 0.2980, 0.3176



12.4169, 0.1800, 0.1679



1.2971, 0.1860, 0.1895



# Inverse Universe

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



55.6370, 0.3418, 0.2909



55.2594, 0.3492, 0.2833



86.5198, 0.3553, 0.3964



16.6294, 0.3210, 0.3165



11.3529, 0.4833, 0.2436

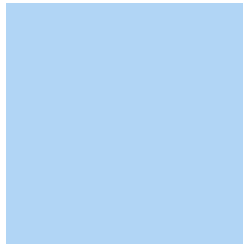


1.0186, 0.4573, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 63.5282, 0.2685, 0.2921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

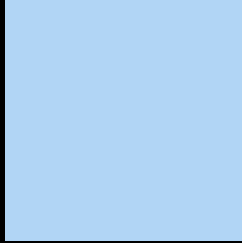
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5282, 0.2685, 0.2921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

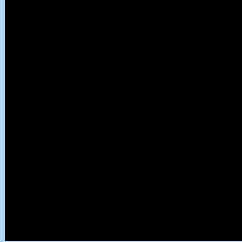
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

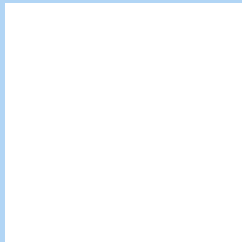
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5282, 0.2685, 0.2921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5282, 0.2685, 0.2921.



This preview shows how white text looks on a background with the Yxy color 63.5282, 0.2685, 0.2921.

# 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

63.5282, 0.2685, 0.2921

### Protanopia

63.5331, 0.2866, 0.2911

### Deuteranopia

63.1289, 0.2881, 0.2810



## Tritanopia

63.4257, 0.2743, 0.3088

# Trichromacy



## Original Color

63.5282, 0.2685, 0.2921

## Protanomaly

63.3492, 0.2800, 0.2917

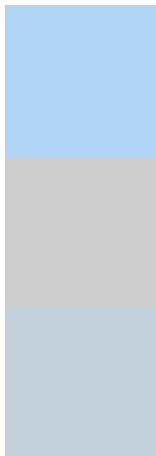
## Deuteranomaly

63.2852, 0.2808, 0.2855

## Tritanomaly

63.3215, 0.2719, 0.3020

# Monochromacy



## Original Color

63.5282, 0.2685, 0.2921

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.3703, 0.2951, 0.3162

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5282, 0.2685, 0.2921 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(177, 213, 245)` looks like.

```
.text, #text, p{  
    color:rgb(177, 213, 245)  
}
```

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(177, 213, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 213, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5282, 0.2685, 0.2921 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(177, 213, 245) }
```

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

```
.border{ border-color:rgb(177, 213, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 213, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 213, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 213, 245);  
box-shadow:4px 4px 4px 4px rgb(177, 213,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5282, 0.2685, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 213, 245) }
```

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

```
.background{ background-color: rgb(177,  
213, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor