

# Converting Colors

$Yxy(63.2063, 0.2609, 0.2919)$

Have a look what the booklet for  
Yxy(63.2063, 0.2609, 0.2919)  
contains.

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# Color

**Yxy(63.3156, 0.2607, 0.2916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D7F7
RGB	165, 215, 247
RGB Percent	65%, 84%, 97%
CMY	0.3528, 0.1569, 0.0315
CMYK	0.33, 0.13, 0.00, 0.03
HSL	203°, 84%, 81%
HSV	203°, 33%, 97%
XYZ	56.6062, 63.3156, 97.2099
YIQ	203.6980, -40.0720, -0.6480

# Conversions

## Conversions Part 2

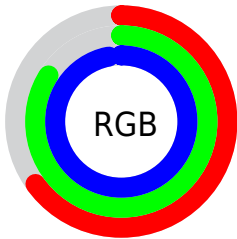
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 196, 247</a>
Decimal	<a href="#">10868727</a>
CIELab	<a href="#">83.61, -8.67, -20.84</a>
CIELCh	<a href="#">84, 22.575, 247.410</a>
Yxy	<a href="#">63.3156, 0.2607, 0.2916</a>
Android (android.graphics.Color)	<a href="#">4289058807 (0xFFA5D7F7)</a>
YUV	<a href="#">203.6980, 21.3479, -33.9381</a>
Hunter-Lab	<a href="#">79.5711, -12.2660, -16.7332</a>

# Details

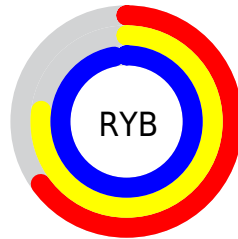
The Yxy color **63.3156, 0.2607, 0.2916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4186, 0.3791, 0.3634**, and the grayscale version is **60.0687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.2182, 0.2478, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **56.1563, 0.2455, 0.2781**, and if you desaturate by 10%, it is **71.2803, 0.2764, 0.3041**.

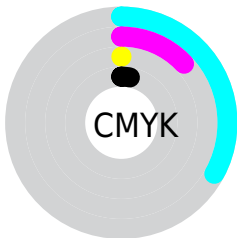
# Distribution



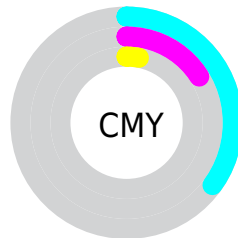
- Red (65%)
- Green (84%)
- Blue (97%)



- Red (65%)
- Yellow (77%)
- Blue (97%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (35%)
- Magenta (16%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3156, 0.2607, 0.2916 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 63.3156, 0.2607, 0.2916 by changing the saturation by 10% instead.



■ 63.3156, 0.2607,  
0.2916

■ 63.3156, 0.2607,  
0.2916

■ 436.7140, 0.2849,  
0.3095

■ 46.0966, 0.2552,  
0.2874

■ 109.6247, 0.2691,  
0.2979

■ 32.3220, 0.2484,  
0.2822

■ 139.4836, 0.2724,  
0.3003

■ 21.6076, 0.2397,  
0.2754

■ 174.3245, 0.2752,  
0.3024

■ 13.5689, 0.2285,  
0.2665

■ 214.5319, 0.2776,  
0.3042

■ 7.8214, 0.2134,  
0.2542

■ 260.4901, 0.2798,  
0.3058

■ 3.9809, 0.1920,  
0.2362

■ 312.5836, 0.2817,

■ 1.6629, 0.1600,

0.3072

0.2079

371.1968, 0.2834,  
0.3084

0.3994, 0.0602,  
0.1432

0.0000, 0.0000,  
0.0000

63.3156, 0.2607,  
0.2916

63.3156, 0.2607,  
0.2916

56.1563, 0.2455,  
0.2781

71.2803, 0.2764,  
0.3041

49.7603, 0.2312,  
0.2638

80.0749, 0.2922,  
0.3156

44.0927, 0.2182,  
0.2488

89.7318, 0.3078,  
0.3259

39.1117, 0.2070,  
0.2335

98.5684, 0.3175,  
0.3353

■ 34.7695, 0.1978,  
0.2183

■ 99.4937, 0.3174,  
0.3367

■ 31.0094, 0.1908,  
0.2033

■ 28.7238, 0.1871,  
0.1933

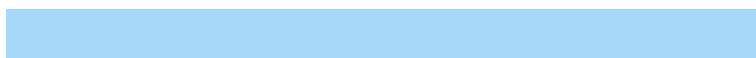
# Harmonies

## Analogous

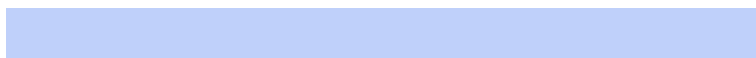
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3156, 0.2607, 0.3118



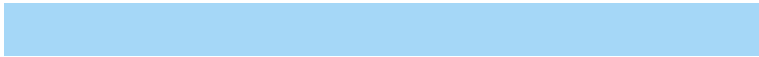
63.3156, 0.2607, 0.2916



63.3156, 0.2738, 0.2823

# Triad

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



63.3156, 0.2607, 0.2916



63.3156, 0.3524, 0.3183



63.3156, 0.3261, 0.3782

# Complementary

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



63.3156, 0.2607, 0.2916



62.4186, 0.3791, 0.3634

# 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.



63.3156, 0.3518, 0.3777



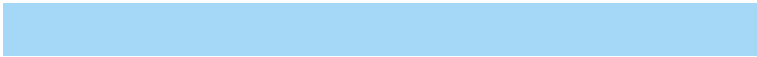
63.3156, 0.2607, 0.2916



63.3156, 0.3677, 0.3421

# Square

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



63.3156, 0.2607, 0.2916



63.3156, 0.3263, 0.2978



63.3156, 0.3673, 0.3639

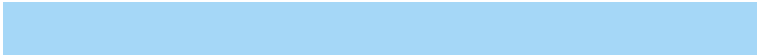


63.3156, 0.2976, 0.3635



# Rectangle

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



63.3156, 0.2607, 0.2916



63.3156, 0.2887, 0.2827



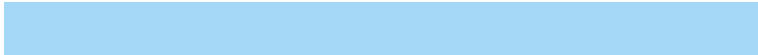
63.3156, 0.3673, 0.3639



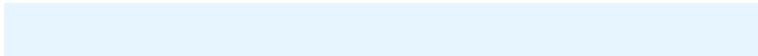
63.3156, 0.3353, 0.3797

# Sweetspot

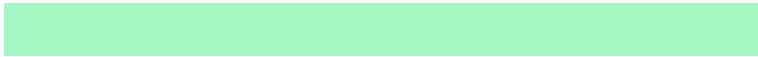
The Sweet Spot groups the original color and five complimentary colors.



63.3181, 0.2607, 0.2916



89.2962, 0.2972, 0.3190



78.5126, 0.2913, 0.3890



18.8074, 0.2950, 0.3175



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

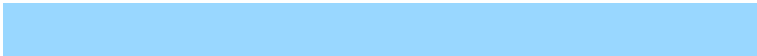


# Same Dimension

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



63.3181, 0.2607, 0.2916



62.6977, 0.2502, 0.2824



45.2161, 0.2544, 0.2418



17.6090, 0.2980, 0.3195



15.4791, 0.1877, 0.1958



1.5599, 0.1929, 0.2142



# Inverse Universe

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



51.5961, 0.3435, 0.2766



48.9593, 0.3522, 0.2656



83.2941, 0.3658, 0.4033



16.6524, 0.3198, 0.3147



11.6620, 0.4501, 0.2253

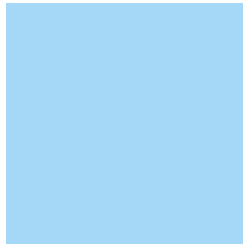


1.0451, 0.4295, 0.2140



# Previews

## White Background



This preview shows how the Yxy color 63.3156, 0.2607, 0.2916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

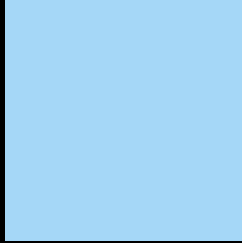
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3156, 0.2607, 0.2916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

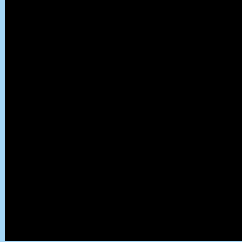
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.3156, 0.2607, 0.2916**

## Background



This preview shows how black text looks on a background with the Yxy color 63.3156, 0.2607, 0.2916.



This preview shows how white text looks on a background with the Yxy color 63.3156, 0.2607, 0.2916.

# 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

63.3156, 0.2607, 0.2916

### Protanopia

62.9110, 0.2858, 0.2899

### Deuteranopia

62.8168, 0.2848, 0.2787



## Tritanopia

63.3052, 0.2656, 0.3074

# Trichromacy



## Original Color

63.3156, 0.2607, 0.2916

## Protanomaly

62.7634, 0.2762, 0.2902

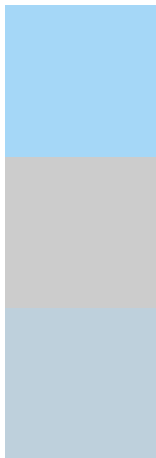
## Deuteranomaly

62.6094, 0.2756, 0.2829

## Tritanomaly

63.1303, 0.2639, 0.3016

# Monochromacy



## Original Color

63.3156, 0.2607, 0.2916

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.2262, 0.2916, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.3156, 0.2607, 0.2916 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(165, 215, 247)` looks like.

```
.text, #text, p{  
    color:rgb(165, 215, 247)  
}
```

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(165, 215, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 215, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3156, 0.2607, 0.2916 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(165, 215, 247) }
```

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

```
.border{ border-color:rgb(165, 215, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 215, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 215, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 215, 247);  
box-shadow:4px 4px 4px 4px rgb(165, 215,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3156, 0.2607, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 215, 247) }
```

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

```
.background{ background-color: rgb(165,  
215, 247) }
```

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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