

# Converting Colors

$Yxy(65.5857, 0.2610, 0.2963)$

Have a look what the booklet for  
Yxy(65.5857, 0.2610, 0.2963)  
contains.

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# Color

**Yxy(65.3778, 0.2613, 0.2964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5DBF7
RGB	165, 219, 247
RGB Percent	65%, 86%, 97%
CMY	0.3529, 0.1412, 0.0315
CMYK	0.33, 0.11, 0.00, 0.03
HSL	200°, 84%, 81%
HSV	200°, 33%, 97%
XYZ	57.6357, 65.3778, 97.5594
YIQ	206.0460, -41.1720, -2.7400

# Conversions

## Conversions Part 2

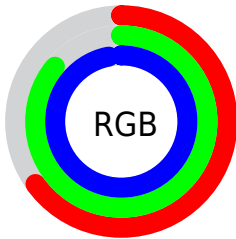
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 198, 247
Decimal	10869751
CIELab	84.68, -10.75, -19.23
CIELCh	85, 22.029, 240.795
Yxy	65.3778, 0.2613, 0.2964
Android (android.graphics.Color)	4289059831 (0xFFA5DBF7)
YUV	206.0460, 20.1903, -35.9973
Hunter-Lab	80.8565, -14.2616, -14.9382

# Details

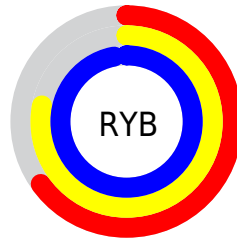
The Yxy color **65.3778, 0.2613, 0.2964** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.6215, 0.3805, 0.3592**, and the grayscale version is **61.6428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **33.6275, 0.2488, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **58.6949, 0.2466, 0.2847**, and if you desaturate by 10%, it is **72.7999, 0.2766, 0.3073**.

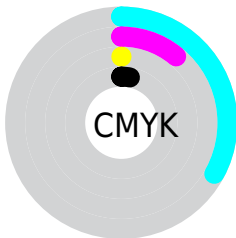
# Distribution



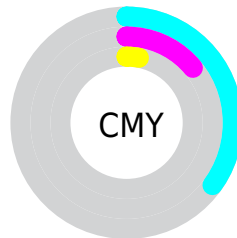
- Red (65%)
- Green (86%)
- Blue (97%)



- Red (65%)
- Yellow (78%)
- Blue (97%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (35%)
- Magenta (14%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3778, 0.2613, 0.2964 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 65.3778, 0.2613, 0.2964 by changing the saturation by 10% instead.





 65.3778, 0.2613,  
0.2964

 65.3778, 0.2613,  
0.2964


444.1484, 0.2851,  
0.3120

 47.7675, 0.2559,  
0.2927


 112.5928, 0.2695,  
0.3019

 33.6428, 0.2492,  
0.2881


 142.9664, 0.2727,  
0.3040

 22.6193, 0.2408,  
0.2822

178.3631, 0.2755,  
0.3058

 14.3127, 0.2300,  
0.2744

219.1674, 0.2779,  
0.3074

 8.3385, 0.2153,  
0.2635

265.7637, 0.2800,  
0.3088

 4.3123, 0.1947,  
0.2476

318.5363, 0.2819,

 1.8497, 0.1639,

0.3100

0.2224

377.8698, 0.2836,  
0.3111

0.5179, 0.0767,  
0.1728

0.0000, 0.0000,  
0.0000

65.3778, 0.2613,  
0.2964

65.3778, 0.2613,  
0.2964

58.6949, 0.2466,  
0.2847

72.7999, 0.2766,  
0.3073

52.7108, 0.2329,  
0.2723

80.9839, 0.2922,  
0.3173

47.3921, 0.2207,  
0.2594

89.9607, 0.3078,  
0.3263

42.6988, 0.2102,  
0.2462

98.0489, 0.3175,  
0.3345

■ 38.5851, 0.2017,  
0.2329

■ 99.4941, 0.3174,  
0.3367

■ 34.9960, 0.1953,  
0.2198

■ 32.7979, 0.1920,  
0.2111

# Harmonies

## Analogous

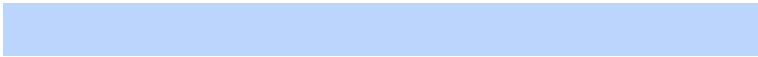
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.3778, 0.2642, 0.3178



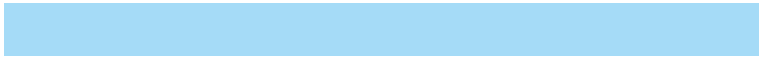
65.3778, 0.2613, 0.2964



65.3778, 0.2713, 0.2848

# Triad

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



65.3778, 0.2613, 0.2964



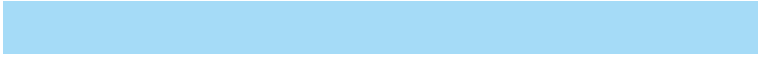
65.3778, 0.3461, 0.3139



65.3778, 0.3316, 0.3776

# Complementary

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



65.3778, 0.2613, 0.2964



60.6215, 0.3805, 0.3592

# 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.



65.3778, 0.3548, 0.3741



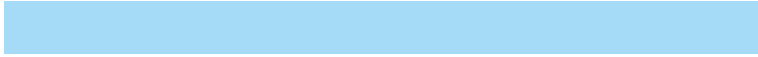
65.3778, 0.2613, 0.2964



65.3778, 0.3637, 0.3367

# Square

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



65.3778, 0.2613, 0.2964



65.3778, 0.3197, 0.2953



65.3778, 0.3668, 0.3586



65.3778, 0.3041, 0.3665



# Rectangle

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



65.3778, 0.2613, 0.2964



65.3778, 0.2843, 0.2835



65.3778, 0.3668, 0.3586



65.3778, 0.3402, 0.3780

# Sweetspot

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



65.3804, 0.2613, 0.2964



90.0528, 0.2972, 0.3202



78.3302, 0.2934, 0.3941



18.9908, 0.2950, 0.3189



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

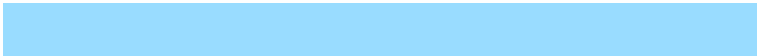


# Same Dimension

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



65.3804, 0.2613, 0.2964



65.2777, 0.2511, 0.2884



46.8242, 0.2550, 0.2469



17.7497, 0.2980, 0.3207



17.6231, 0.1926, 0.2133



1.7392, 0.1971, 0.2294



# Inverse Universe

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



51.7998, 0.3400, 0.2726



49.2198, 0.3475, 0.2609



80.9456, 0.3670, 0.3995



16.6666, 0.3190, 0.3135



11.8784, 0.4305, 0.2145

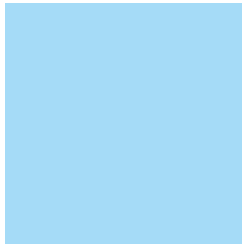


1.0632, 0.4132, 0.2050



# Previews

## White Background



This preview shows how the Yxy color 65.3778, 0.2613, 0.2964 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

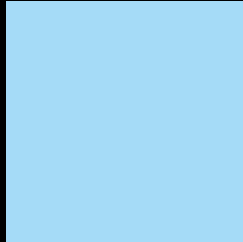
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3778, 0.2613, 0.2964 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 65.3778, 0.2613, 0.2964**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3778, 0.2613, 0.2964.



This preview shows how white text looks on a background with the Yxy color 65.3778, 0.2613, 0.2964.

# 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

65.3778, 0.2613, 0.2964

### Protanopia

65.0140, 0.2900, 0.2947

### Deuteranopia

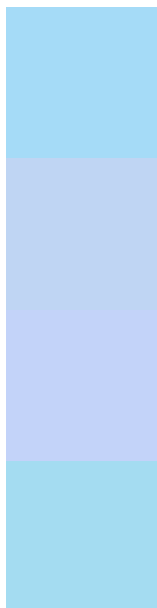
65.0418, 0.2878, 0.2816



## Tritanopia

65.1460, 0.2650, 0.3076

# Trichromacy



## Original Color

65.3778, 0.2613, 0.2964

## Protanomaly

65.1359, 0.2784, 0.2951

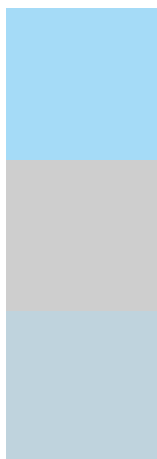
## Deuteranomaly

65.0302, 0.2773, 0.2867

## Tritanomaly

65.4298, 0.2640, 0.3042

# Monochromacy



## Original Color

65.3778, 0.2613, 0.2964

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.8854, 0.2918, 0.3173

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3778, 0.2613, 0.2964 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, 219, 247)` looks like.

```
.text, #text, p{  
    color:rgb(165, 219, 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, 219, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 219, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3778, 0.2613, 0.2964 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, 219, 247) }
```

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

```
.border{ border-color:rgb(165, 219, 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, 219, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 219, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 219, 247);  
box-shadow:4px 4px 4px 4px rgb(165, 219,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3778, 0.2613, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 219, 247) }
```

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

```
.background{ background-color: rgb(165,  
219, 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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