

# Converting Colors

$Yxy(66.1511, 0.2549, 0.2892)$

Have a look what the booklet for  
Yxy(66.1511, 0.2549, 0.2892)  
contains.

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# Color

**Yxy(65.8800, 0.2547, 0.2886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0DCFF
RGB	160, 220, 255
RGB Percent	63%, 86%, 100%
CMY	0.3725, 0.1372, 0.0000
CMYK	0.37, 0.14, 0.00, 0.00
HSL	202°, 100%, 81%
HSV	202°, 37%, 100%
XYZ	58.1415, 65.8800, 104.2529
YIQ	206.0500, -46.9950, -1.8350

# Conversions

## Conversions Part 2

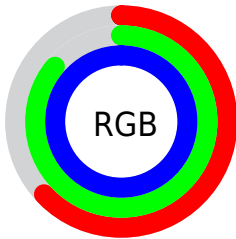
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 197, 255
Decimal	10542335
CIELab	84.94, -10.62, -23.10
CIELCh	85, 25.423, 245.303
Yxy	65.8800, 0.2547, 0.2886
Android (android.graphics.Color)	4288732415 (0xFFA0DCFF)
YUV	206.0500, 24.1324, -40.3858
Hunter-Lab	81.1665, -14.1776, -19.3375

# Details

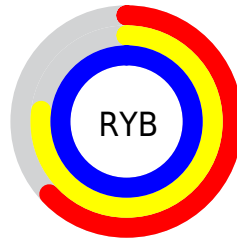
The Yxy color **65.8800, 0.2547, 0.2886** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8321, 0.3906, 0.3657**, and the grayscale version is **61.6238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **33.9305, 0.2412, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **58.7244, 0.2400, 0.2755**, and if you desaturate by 10%, it is **73.8568, 0.2701, 0.3008**.

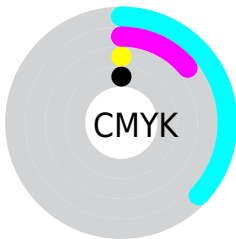
# Distribution



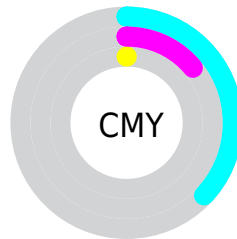
- Red (63%)
- Green (86%)
- Blue (100%)



- Red (63%)
- Yellow (77%)
- Blue (100%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8800, 0.2547, 0.2886 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 65.8800, 0.2547, 0.2886 by changing the saturation by 10% instead.





 65.8800, 0.2547,  
0.2886


 65.8800, 0.2547,  
0.2886

445.9476, 0.2814,  
0.3078

 48.1750, 0.2487,  
0.2841


 113.3141, 0.2639,  
0.2954

 33.9655, 0.2413,  
0.2785


 143.8120, 0.2675,  
0.2980

 22.8671, 0.2320,  
0.2714


179.3429, 0.2706,  
0.3002

 14.4954, 0.2201,  
0.2620

220.2913, 0.2733,  
0.3021

 8.4660, 0.2041,  
0.2492

267.0416, 0.2757,  
0.3038

 4.3946, 0.1820,  
0.2307

319.9781, 0.2778,

 1.8966, 0.1498,

0.3053

0.2022

379.4853, 0.2797,  
0.3066

0.5464, 0.0716,  
0.1505

0.0000, 0.0000,  
0.0000

65.8800, 0.2547,  
0.2886

65.8800, 0.2547,  
0.2886

58.7244, 0.2400,  
0.2755

73.8568, 0.2701,  
0.3008

52.3446, 0.2265,  
0.2618

82.6819, 0.2858,  
0.3120

46.7018, 0.2145,  
0.2475

92.3902, 0.3015,  
0.3222

41.7494, 0.2044,  
0.2331

99.9996, 0.3127,  
0.3290

■ 37.4333, 0.1964,  
0.2188

■ 33.6851, 0.1906,  
0.2048

■ 32.7258, 0.1892,  
0.2010

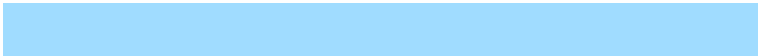
# Harmonies

## Analogous

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



65.8800, 0.2558, 0.3116



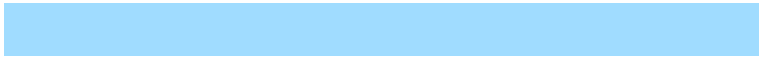
65.8800, 0.2547, 0.2886



65.8800, 0.2681, 0.2776

# Triad

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



65.8800, 0.2547, 0.2886



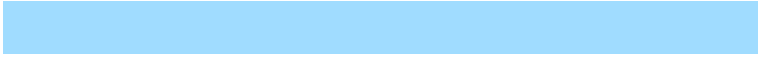
65.8800, 0.3551, 0.3153



65.8800, 0.3296, 0.3844

# Complementary

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



65.8800, 0.2547, 0.2886



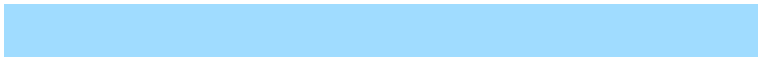
62.8321, 0.3906, 0.3657

# 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.



65.8800, 0.3577, 0.3825



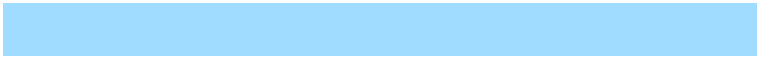
65.8800, 0.2547, 0.2886



65.8800, 0.3732, 0.3414

# Square

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



65.8800, 0.2547, 0.2886



65.8800, 0.3255, 0.2932



65.8800, 0.3740, 0.3660

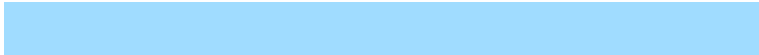


65.8800, 0.2980, 0.3692



# Rectangle

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



65.8800, 0.2547, 0.2886



65.8800, 0.2840, 0.2775



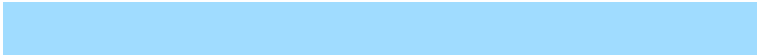
65.8800, 0.3740, 0.3660



65.8800, 0.3398, 0.3857

# Sweetspot

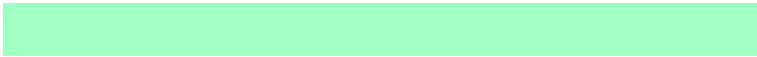
The Sweet Spot groups the original color and five complimentary colors.



65.8826, 0.2547, 0.2886



88.6454, 0.2956, 0.3185



82.9244, 0.2897, 0.3998



18.6906, 0.2935, 0.3172



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

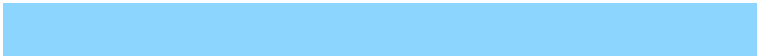


# Same Dimension

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



65.8826, 0.2547, 0.2886



60.2665, 0.2433, 0.2785



44.4602, 0.2463, 0.2309



19.2903, 0.2979, 0.3200



17.3960, 0.1898, 0.2033



1.9027, 0.1942, 0.2192



# Inverse Universe

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



51.5741, 0.3467, 0.2680



44.8794, 0.3566, 0.2555



87.4985, 0.3731, 0.4110



18.1802, 0.3195, 0.3141



12.4841, 0.4416, 0.2206

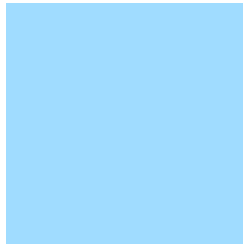


1.2366, 0.4241, 0.2110



# Previews

## White Background



This preview shows how the Yxy color 65.8800, 0.2547, 0.2886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

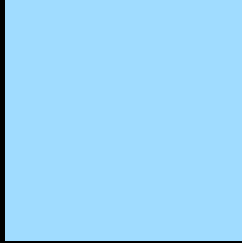
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.8800, 0.2547, 0.2886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

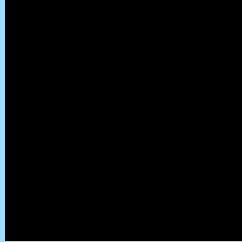
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

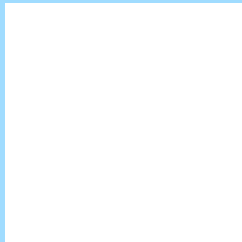
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.8800, 0.2547, 0.2886**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.8800, 0.2547, 0.2886.



This preview shows how white text looks on a background with the Yxy color 65.8800, 0.2547, 0.2886.

# 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

65.8800, 0.2547, 0.2886

### Protanopia

65.7079, 0.2838, 0.2873

### Deuteranopia

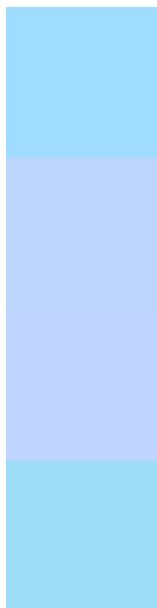
65.4010, 0.2827, 0.2774



## Tritanopia

65.6017, 0.2604, 0.3075

# Trichromacy



## Original Color

65.8800, 0.2547, 0.2886

## Protanomaly

65.7495, 0.2721, 0.2876

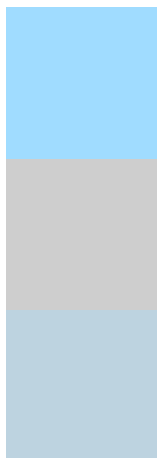
## Deuteranomaly

65.3833, 0.2715, 0.2814

## Tritanomaly

65.4736, 0.2583, 0.3006

# Monochromacy



## Original Color

65.8800, 0.2547, 0.2886

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.7892, 0.2885, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8800, 0.2547, 0.2886 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(160, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 220, 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(160, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8800, 0.2547, 0.2886 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(160, 220, 255) }
```

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

```
.border{ border-color:rgb(160, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8800, 0.2547, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 220, 255) }
```

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

```
.background{ background-color: rgb(160,  
220, 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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