

# Converting Colors

Yxy(66.6939, 0.2596, 0.2893)

Have a look what the booklet for  
Yxy(66.6939, 0.2596, 0.2893)  
contains.

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# Color

**Yxy(66.8414, 0.2595, 0.2891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9DCFF
RGB	169, 220, 255
RGB Percent	66%, 86%, 100%
CMY	0.3375, 0.1372, 0.0000
CMYK	0.34, 0.14, 0.00, 0.00
HSL	204°, 100%, 83%
HSV	204°, 34%, 100%
XYZ	59.9977, 66.8414, 104.3660
YIQ	208.7410, -41.6310, 0.0730

# Conversions

## Conversions Part 2

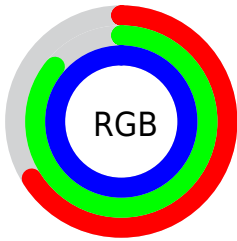
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 201, 255
Decimal	11132159
CIE Lab	85.42, -8.26, -22.33
CIE LCh	85, 23.805, 249.700
Yxy	66.8414, 0.2595, 0.2891
Android (android.graphics.Color)	4289322239 (0xFFA9DCFF)
YUV	208.7410, 22.8057, -34.8529
Hunter-Lab	81.7566, -12.0804, -18.4568

# Details

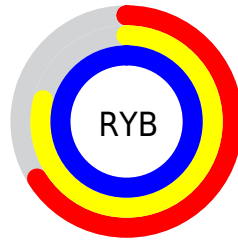
The Yxy color **66.8414, 0.2595, 0.2891** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.2712, 0.3802, 0.3655**, and the grayscale version is **63.4447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **34.5649, 0.2474, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **59.0190, 0.2442, 0.2749**, and if you desaturate by 10%, it is **75.5533, 0.2753, 0.3023**.

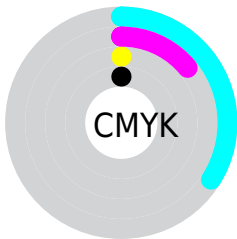
# Distribution



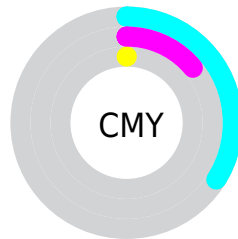
- Red (66%)
- Green (86%)
- Blue (100%)



- Red (66%)
- Yellow (79%)
- Blue (100%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8414, 0.2595, 0.2891 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 66.8414, 0.2595, 0.2891 by changing the saturation by 10% instead.



■ 66.8414, 0.2595,  
0.2891

■ 66.8414, 0.2595,  
0.2891

449.3800, 0.2840,  
0.3079

■ 48.9557, 0.2540,  
0.2847

■ 114.6931, 0.2680,  
0.2957

■ 34.5844, 0.2472,  
0.2793

145.4280, 0.2713,  
0.2982

■ 23.3429, 0.2386,  
0.2724

181.2147, 0.2741,  
0.3004

■ 14.8469, 0.2276,  
0.2634

222.4377, 0.2766,  
0.3023

■ 8.7120, 0.2129,  
0.2510

269.4813, 0.2788,  
0.3040

■ 4.5538, 0.1923,  
0.2333

322.7300, 0.2807,

■ 1.9879, 0.1622,

0.3055

0.2061

382.5681, 0.2824,  
0.3068

0.6004, 0.0971,  
0.1579

0.0000, 0.0000,  
0.0000

66.8414, 0.2595,  
0.2891

66.8414, 0.2595,  
0.2891

59.0190, 0.2442,  
0.2749

75.5533, 0.2753,  
0.3023

52.0446, 0.2297,  
0.2599

85.1868, 0.2912,  
0.3143

45.8776, 0.2166,  
0.2442

95.7762, 0.3069,  
0.3252

40.4718, 0.2052,  
0.2282

100.0000, 0.3127,  
0.3290

■ 35.7743, 0.1959,  
0.2122

■ 31.7219, 0.1888,  
0.1967

■ 29.4631, 0.1853,  
0.1872

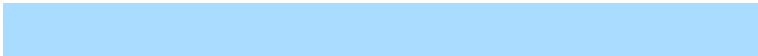
# Harmonies

## Analogous

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



66.8414, 0.2585, 0.3092



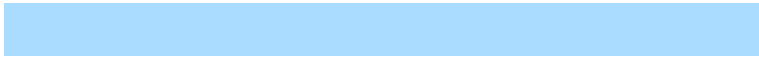
66.8414, 0.2595, 0.2891



66.8414, 0.2740, 0.2805

# Triad

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



66.8414, 0.2595, 0.2891



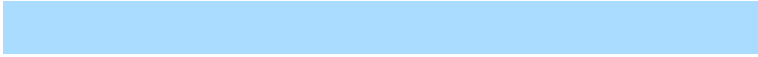
66.8414, 0.3555, 0.3197



66.8414, 0.3242, 0.3794

# Complementary

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



66.8414, 0.2595, 0.2891



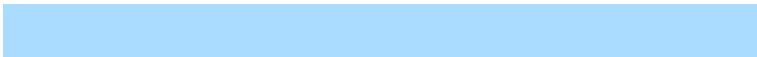
67.2712, 0.3802, 0.3655

# 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.



66.8414, 0.3514, 0.3800



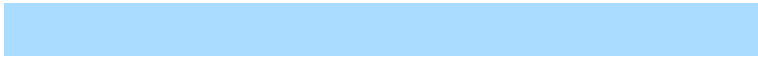
66.8414, 0.2595, 0.2891



66.8414, 0.3702, 0.3444

# Square

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



66.8414, 0.2595, 0.2891



66.8414, 0.3290, 0.2981



66.8414, 0.3685, 0.3666

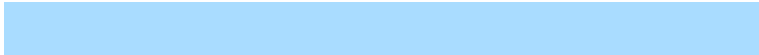


66.8414, 0.2949, 0.3631



# Rectangle

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



66.8414, 0.2595, 0.2891



66.8414, 0.2898, 0.2815



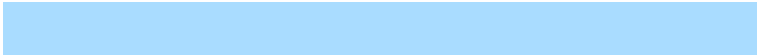
66.8414, 0.3685, 0.3666



66.8414, 0.3339, 0.3814

# Sweetspot

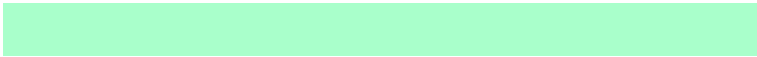
The Sweet Spot groups the original color and five complimentary colors.



66.8425, 0.2595, 0.2891



89.0440, 0.2972, 0.3186



84.2772, 0.2902, 0.3886



18.7463, 0.2949, 0.3170



0.0000, 0.0000, 0.0000

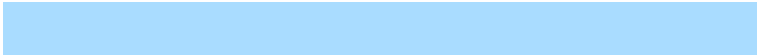


21.4041, 0.3127, 0.3290

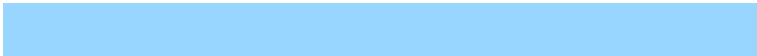


# Same Dimension

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



66.8425, 0.2595, 0.2891



61.8511, 0.2498, 0.2804



47.3078, 0.2529, 0.2382



19.1703, 0.2979, 0.3191



15.6960, 0.1860, 0.1897



1.7430, 0.1909, 0.2072



# Inverse Universe

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



54.7809, 0.3455, 0.2769



48.8738, 0.3538, 0.2672



90.2736, 0.3664, 0.4059



18.1681, 0.3201, 0.3150



12.3125, 0.4571, 0.2292

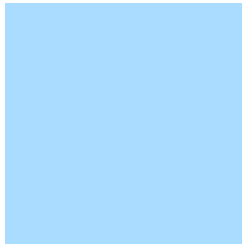


1.2205, 0.4373, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 66.8414, 0.2595, 0.2891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

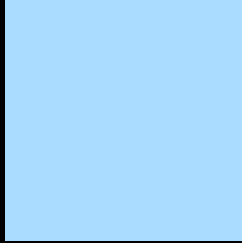
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8414, 0.2595, 0.2891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

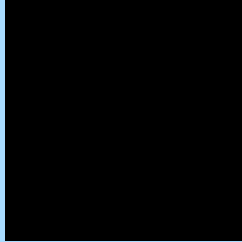
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.8414, 0.2595, 0.2891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8414, 0.2595, 0.2891.



This preview shows how white text looks on a background with the Yxy color 66.8414, 0.2595, 0.2891.

# 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

66.8414, 0.2595, 0.2891

### Protanopia

66.5499, 0.2846, 0.2876

### Deuteranopia

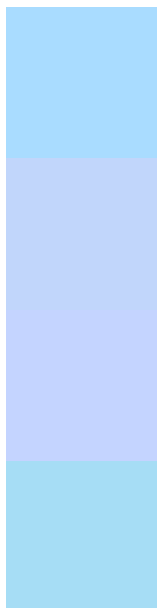
66.1806, 0.2841, 0.2787



## Tritanopia

66.5332, 0.2654, 0.3078

# Trichromacy



## Original Color

66.8414, 0.2595, 0.2891

## Protanomaly

66.3956, 0.2752, 0.2879

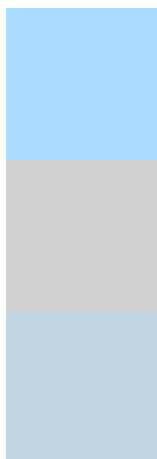
## Deuteranomaly

66.0427, 0.2746, 0.2818

## Tritanomaly

66.4125, 0.2632, 0.3010

# Monochromacy



## Original Color

66.8414, 0.2595, 0.2891

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.5488, 0.2907, 0.3140

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8414, 0.2595, 0.2891 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(169, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8414, 0.2595, 0.2891 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(169, 220, 255) }
```

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

```
.border{ border-color:rgb(169, 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(169, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8414, 0.2595, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 220, 255) }
```

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

```
.background{ background-color: rgb(169,  
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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