

# Converting Colors

$Yxy(66.7477, 0.2563, 0.2901)$

Have a look what the booklet for  
Yxy(66.7477, 0.2563, 0.2901)  
contains.

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# Color

**Yxy(66.7194, 0.2565, 0.2900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3DDFF
RGB	163, 221, 255
RGB Percent	64%, 87%, 100%
CMY	0.3606, 0.1333, 0.0002
CMYK	0.36, 0.13, 0.00, 0.00
HSL	202°, 100%, 82%
HSV	202°, 36%, 100%
XYZ	59.0122, 66.7194, 104.3353
YIQ	207.5340, -45.4820, -1.7220

# Conversions

## Conversions Part 2

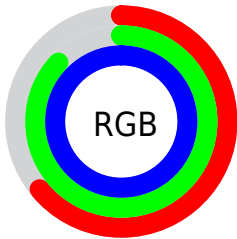
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 199, 255
Decimal	10739199
CIE Lab	85.36, -10.35, -22.41
CIE LCh	85, 24.690, 245.205
Yxy	66.7194, 0.2565, 0.2900
Android (android.graphics.Color)	4288929279 (0xFFA3DDFF)
YUV	207.5340, 23.4007, -39.0563
Hunter-Lab	81.6819, -13.9838, -18.5559

# Details

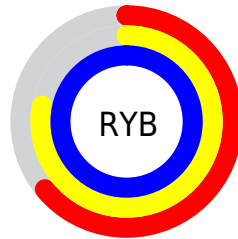
The Yxy color **66.7194, 0.2565, 0.2900** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8337, 0.3873, 0.3646**, and the grayscale version is **62.6341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **34.5378, 0.2439, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **59.4600, 0.2417, 0.2770**, and if you desaturate by 10%, it is **74.8057, 0.2719, 0.3021**.

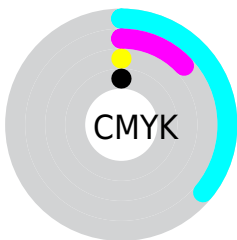
# Distribution



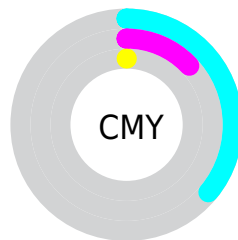
- Red (64%)
- Green (87%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (13%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7194, 0.2565, 0.2900 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 66.7194, 0.2565, 0.2900 by changing the saturation by 10% instead.





 66.7194, 0.2565,  
0.2900


 66.7194, 0.2565,  
0.2900


448.9453, 0.2823,  
0.3085

 48.8566, 0.2507,  
0.2857


 114.5182, 0.2654,  
0.2965

 34.5058, 0.2435,  
0.2803


 145.2231, 0.2689,  
0.2990

 23.2824, 0.2346,  
0.2735


180.9775, 0.2719,  
0.3012

 14.8022, 0.2230,  
0.2645

222.1657, 0.2745,  
0.3030

 8.6807, 0.2076,  
0.2522

269.1722, 0.2768,  
0.3047

 4.5335, 0.1862,  
0.2344

322.3814, 0.2789,

 1.9762, 0.1549,

0.3061

0.2070

382.1776, 0.2807,  
0.3074

■ 0.5936, 0.0834,  
0.1589

■ 0.0000, 0.0000,  
0.0000

■ 66.7194, 0.2565,  
0.2900

■ 66.7194, 0.2565,  
0.2900

■ 59.4600, 0.2417,  
0.2770

■ 74.8057, 0.2719,  
0.3021

■ 52.9822, 0.2280,  
0.2633

■ 83.7454, 0.2877,  
0.3133

■ 47.2478, 0.2158,  
0.2490

■ 93.5734, 0.3034,  
0.3234

■ 42.2109, 0.2055,  
0.2346

99.9970, 0.3127,  
0.3290

■ 37.8184, 0.1972,  
0.2202

■ 34.0056, 0.1911,  
0.2061

■ 32.6217, 0.1891,  
0.2006

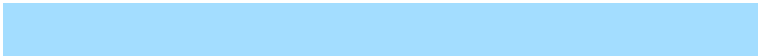
# Harmonies

## Analogous

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



66.7194, 0.2576, 0.3123



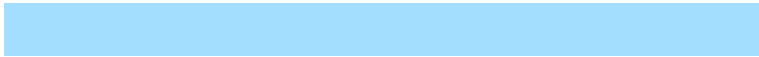
66.7194, 0.2565, 0.2900



66.7194, 0.2695, 0.2792

# Triad

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



66.7194, 0.2565, 0.2900



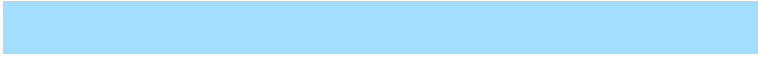
66.7194, 0.3536, 0.3157



66.7194, 0.3292, 0.3825

# Complementary

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



66.7194, 0.2565, 0.2900



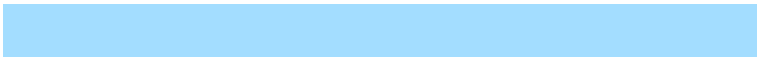
63.8337, 0.3873, 0.3646

# 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.



66.7194, 0.3563, 0.3807



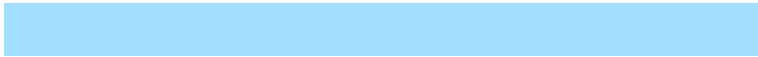
66.7194, 0.2565, 0.2900



66.7194, 0.3712, 0.3410

# Square

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



66.7194, 0.2565, 0.2900



66.7194, 0.3250, 0.2943



66.7194, 0.3720, 0.3648

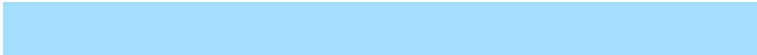


66.7194, 0.2986, 0.3679



# Rectangle

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



66.7194, 0.2565, 0.2900



66.7194, 0.2849, 0.2791



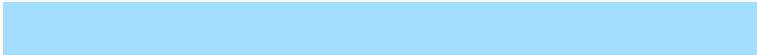
66.7194, 0.3720, 0.3648



66.7194, 0.3390, 0.3837

# Sweetspot

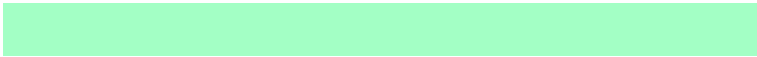
The Sweet Spot groups the original color and five complimentary colors.



66.7220, 0.2565, 0.2900



88.6278, 0.2956, 0.3185



83.3025, 0.2904, 0.3971



18.6863, 0.2935, 0.3171



0.0000, 0.0000, 0.0000

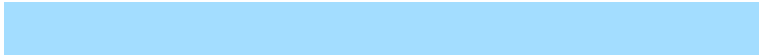


21.4041, 0.3127, 0.3290

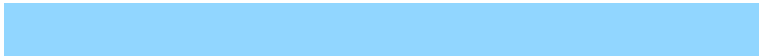


# Same Dimension

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



66.7220, 0.2565, 0.2900



61.6120, 0.2461, 0.2810



45.7890, 0.2487, 0.2346



19.2870, 0.2979, 0.3200



17.3477, 0.1897, 0.2029



1.8982, 0.1941, 0.2189



# Inverse Universe

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



52.6853, 0.3454, 0.2701



46.4979, 0.3541, 0.2588



87.8195, 0.3711, 0.4084



18.1798, 0.3195, 0.3141



12.4792, 0.4420, 0.2209

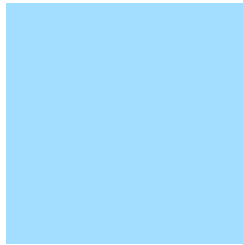


1.2362, 0.4245, 0.2112



# Previews

## White Background



This preview shows how the Yxy color 66.7194, 0.2565, 0.2900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

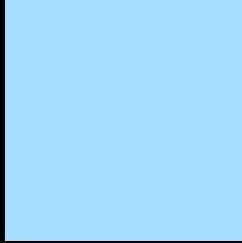
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7194, 0.2565, 0.2900 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 66.7194, 0.2565, 0.2900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7194, 0.2565, 0.2900.



This preview shows how white text looks on a background with the Yxy color 66.7194, 0.2565, 0.2900.

# 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

66.7194, 0.2565, 0.2900

### Protanopia

66.4877, 0.2852, 0.2886

### Deuteranopia

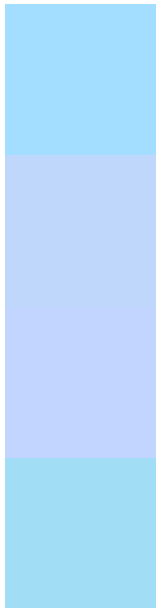
66.1806, 0.2841, 0.2787



## Tritanopia

66.5998, 0.2622, 0.3077

# Trichromacy



**Original Color**

66.7194, 0.2565, 0.2900

**Protanomaly**

66.5131, 0.2734, 0.2889

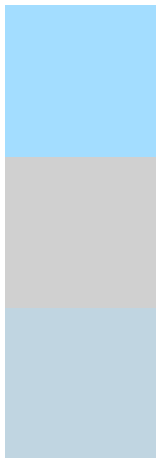
**Deuteranomaly**

66.2778, 0.2734, 0.2828

**Tritanomaly**

66.4734, 0.2601, 0.3009

# Monochromacy



**Original Color**

66.7194, 0.2565, 0.2900

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.2312, 0.2900, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7194, 0.2565, 0.2900 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(163, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 221, 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(163, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 221, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7194, 0.2565, 0.2900 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(163, 221, 255) }
```

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

```
.border{ border-color:rgb(163, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 221, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 221, 255); box-shadow:4px 4px 4px 4px rgb(163, 221, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7194, 0.2565, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 221, 255) }
```

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

```
.background{ background-color: rgb(163,  
221, 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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