

# Converting Colors

$Yxy(70.9748, 0.2553, 0.2829)$

Have a look what the booklet for  
Yxy(70.9748, 0.2553, 0.2829)  
contains.

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# Color

**Yxy(70.2706, 0.2615, 0.2962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE2FF
RGB	171, 226, 255
RGB Percent	67%, 89%, 100%
CMY	0.3296, 0.1137, 0.0000
CMYK	0.33, 0.11, 0.00, 0.00
HSL	201°, 100%, 84%
HSV	201°, 33%, 100%
XYZ	62.0384, 70.2706, 104.9314
YIQ	212.8610, -42.0890, -2.6410

# Conversions

## Conversions Part 2

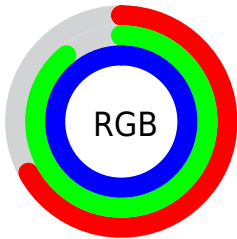
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	171, 204, 255
Decimal	11264767
CIE Lab	87.13, -10.80, -19.74
CIE LCh	87, 22.503, 241.313
Yxy	70.2706, 0.2615, 0.2962
Android (android.graphics.Color)	4289454847 (0xFFABE2FF)
YUV	212.8610, 20.7745, -36.7121
Hunter-Lab	83.8276, -14.5955, -15.5372

# Details

The Yxy color **70.2706, 0.2615, 0.2962** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.4845, 0.3799, 0.3594**, and the grayscale version is **66.3161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.9160, 0.2502, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **63.0168, 0.2468, 0.2844**, and if you desaturate by 10%, it is **78.3229, 0.2769, 0.3073**.

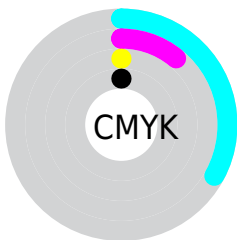
# Distribution



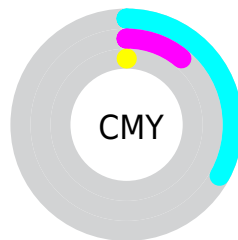
- Red (67%)
- Green (89%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2706, 0.2615, 0.2962 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 70.2706, 0.2615, 0.2962 by changing the saturation by 10% instead.



70.2706, 0.2615,  
0.2962

70.2706, 0.2615,  
0.2962

461.4996, 0.2849,  
0.3117

51.7472, 0.2563,  
0.2926

119.5946, 0.2695,  
0.3016

36.8036, 0.2498,  
0.2881

151.1639, 0.2727,  
0.3037

25.0555, 0.2418,  
0.2824

187.8506, 0.2754,  
0.3055

16.1184, 0.2314,  
0.2750

230.0392, 0.2778,  
0.3071

9.6080, 0.2177,  
0.2647

278.1140, 0.2799,  
0.3085

5.1398, 0.1985,  
0.2499

332.4594, 0.2817,

2.3295, 0.1705,

0.3097

0.2271

393.4598, 0.2834,  
0.3107

0.7893, 0.1169,  
0.1897

0.0000, 0.0000,  
0.0000

70.2706, 0.2615,  
0.2962

70.2706, 0.2615,  
0.2962

63.0168, 0.2468,  
0.2844

78.3229, 0.2769,  
0.3073

56.5249, 0.2330,  
0.2718

87.2055, 0.2925,  
0.3173

50.7564, 0.2206,  
0.2588

96.9494, 0.3081,  
0.3265

45.6680, 0.2100,  
0.2454

100.0000, 0.3127,  
0.3290

■ 41.2101, 0.2015,  
0.2319

■ 37.3233, 0.1950,  
0.2187

■ 34.8698, 0.1916,  
0.2096

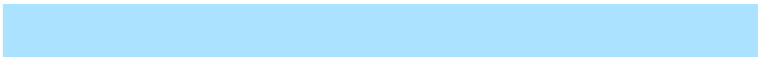
# Harmonies

## Analogous

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



70.2706, 0.2642, 0.3174



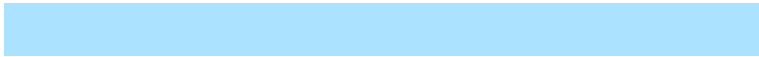
70.2706, 0.2615, 0.2962



70.2706, 0.2717, 0.2849

# Triad

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



70.2706, 0.2615, 0.2962



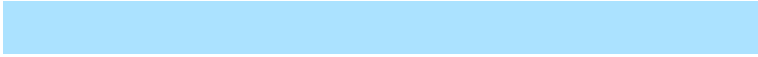
70.2706, 0.3464, 0.3143



70.2706, 0.3311, 0.3774

# Complementary

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



70.2706, 0.2615, 0.2962



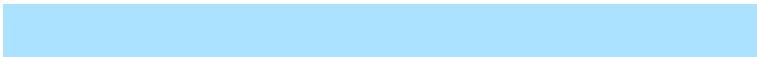
65.4845, 0.3799, 0.3594

# 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.



70.2706, 0.3544, 0.3741



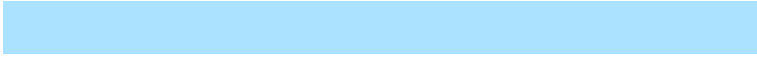
70.2706, 0.2615, 0.2962



70.2706, 0.3637, 0.3370

# Square

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



70.2706, 0.2615, 0.2962



70.2706, 0.3201, 0.2956



70.2706, 0.3666, 0.3589

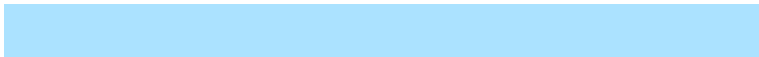


70.2706, 0.3036, 0.3661



# Rectangle

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



70.2706, 0.2615, 0.2962



70.2706, 0.2848, 0.2837



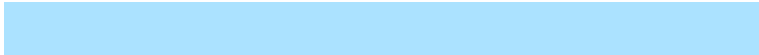
70.2706, 0.3666, 0.3589



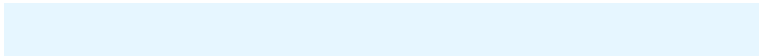
70.2706, 0.3397, 0.3779

# Sweetspot

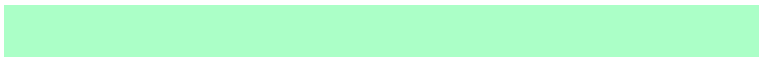
The Sweet Spot groups the original color and five complimentary colors.



70.2710, 0.2615, 0.2962



89.9957, 0.2972, 0.3201



84.2957, 0.2935, 0.3937



18.9769, 0.2950, 0.3188



0.0000, 0.0000, 0.0000

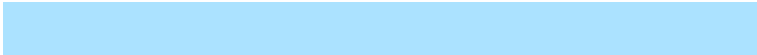


21.4041, 0.3127, 0.3290

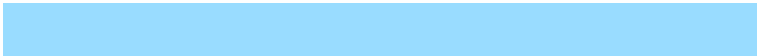


# Same Dimension

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



70.2710, 0.2615, 0.2962



65.0809, 0.2510, 0.2880



50.5573, 0.2553, 0.2474



19.3644, 0.2980, 0.3206



18.5096, 0.1922, 0.2117



2.0062, 0.1963, 0.2266



# Inverse Universe

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



55.8621, 0.3400, 0.2732



49.1999, 0.3479, 0.2612



87.1054, 0.3667, 0.3991



18.1876, 0.3191, 0.3135



12.5965, 0.4322, 0.2155

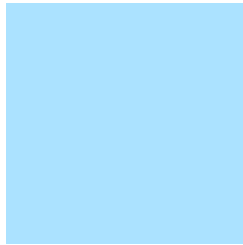


1.2471, 0.4162, 0.2066



# Previews

## White Background



This preview shows how the Yxy color 70.2706, 0.2615, 0.2962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

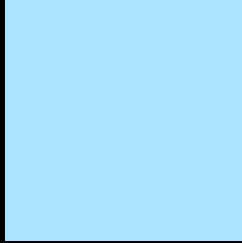
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2706, 0.2615, 0.2962 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 70.2706, 0.2615, 0.2962**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2706, 0.2615, 0.2962.

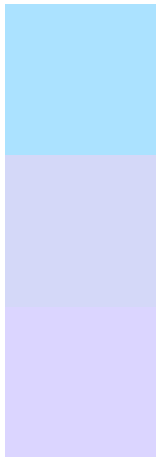


This preview shows how white text looks on a background with the Yxy color 70.2706, 0.2615, 0.2962.

# 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

70.2706, 0.2615, 0.2962

### Protanopia

69.8861, 0.2894, 0.2946

### Deuteranopia

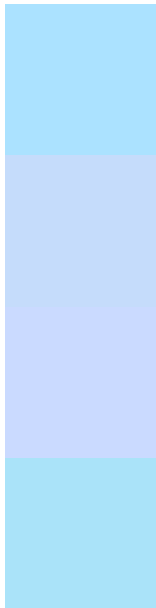
69.8686, 0.2897, 0.2849



## Tritanopia

70.5756, 0.2653, 0.3083

# Trichromacy



**Original Color**

70.2706, 0.2615, 0.2962

**Protanomaly**

70.0218, 0.2782, 0.2950

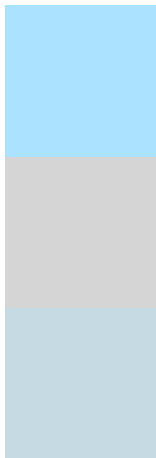
**Deuteranomaly**

69.9194, 0.2789, 0.2890

**Tritanomaly**

70.3238, 0.2642, 0.3038

# Monochromacy



**Original Color**

70.2706, 0.2615, 0.2962

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.7500, 0.2924, 0.3176

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2706, 0.2615, 0.2962 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(171, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 226, 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(171, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 226, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2706, 0.2615, 0.2962 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(171, 226, 255) }
```

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

```
.border{ border-color:rgb(171, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 226,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2706, 0.2615, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 226, 255) }
```

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

```
.background{ background-color: rgb(171,  
226, 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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