

# Converting Colors

$Yxy(71.0702, 0.2511, 0.2883)$

Have a look what the booklet for  
Yxy(71.0702, 0.2511, 0.2883)  
contains.

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# **Color**

**Yxy(70.6296, 0.2557, 0.2992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE5FF
RGB	159, 229, 255
RGB Percent	62%, 90%, 100%
CMY	0.3767, 0.1019, 0.0000
CMYK	0.38, 0.10, 0.00, 0.00
HSL	196°, 100%, 81%
HSV	196°, 38%, 100%
XYZ	60.3609, 70.6296, 105.0710
YIQ	211.0340, -50.0660, -6.7540

# Conversions

## Conversions Part 2

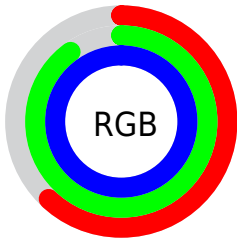
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 199, 255
Decimal	10479103
CIE <sub>Lab</sub>	87.30, -15.50, -19.53
CIE <sub>LCh</sub>	87, 24.932, 231.553
Yxy	70.6296, 0.2557, 0.2992
Android (android.graphics.Color)	4288669183 (0xFF9FE5FF)
YUV	211.0340, 21.6752, -45.6338
Hunter-Lab	84.0414, -18.8687, -15.2971

# Details

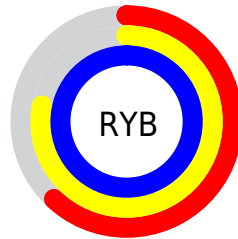
The Yxy color **70.6296, 0.2557, 0.2992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.4322, 0.3955, 0.3565**, and the grayscale version is **65.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.8479, 0.2429, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **64.5461, 0.2422, 0.2898**, and if you desaturate by 10%, it is **77.4060, 0.2702, 0.3081**.

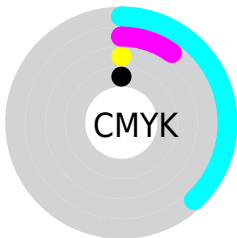
# Distribution



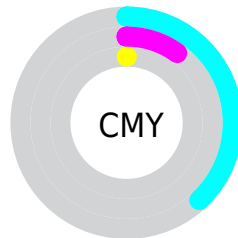
- Red (62%)
- Green (90%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6296, 0.2557, 0.2992 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 70.6296, 0.2557, 0.2992 by changing the saturation by 10% instead.





 70.6296, 0.2557,  
0.2992


 70.6296, 0.2557,  
0.2992


462.7576, 0.2816,  
0.3135

 52.0400, 0.2499,  
0.2958


 120.1062, 0.2646,  
0.3042

 37.0369, 0.2428,  
0.2917


 151.7619, 0.2681,  
0.3062

 25.2361, 0.2340,  
0.2863


188.5418, 0.2711,  
0.3078

 16.2530, 0.2227,  
0.2792

230.8303, 0.2737,  
0.3093

 9.7034, 0.2077,  
0.2694

279.0117, 0.2761,  
0.3105

 5.2027, 0.1870,  
0.2552

333.4704, 0.2781,

 2.3667, 0.1571,

0.3116

0.2328

394.5909, 0.2800,  
0.3126

0.8087, 0.0953,  
0.1974

0.0000, 0.0000,  
0.0000

70.6296, 0.2557,  
0.2992

70.6296, 0.2557,  
0.2992

64.5461, 0.2422,  
0.2898

77.4060, 0.2702,  
0.3081

59.1152, 0.2301,  
0.2800

84.9022, 0.2854,  
0.3162

54.2998, 0.2196,  
0.2698

93.1497, 0.3008,  
0.3237

50.0561, 0.2111,  
0.2595

100.0000, 0.3127,  
0.3290

■ 46.3326, 0.2046,  
0.2492

■ 43.0620, 0.2000,  
0.2391

■ 42.3416, 0.1991,  
0.2367

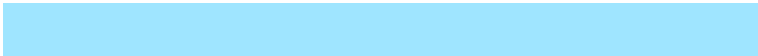
# Harmonies

## Analogous

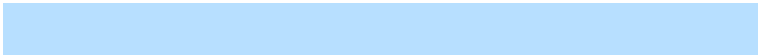
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6296, 0.2633, 0.3252



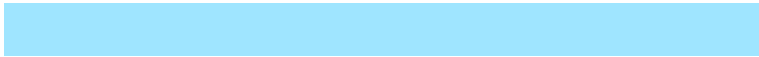
70.6296, 0.2557, 0.2992



70.6296, 0.2624, 0.2830

# Triad

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



70.6296, 0.2557, 0.2992



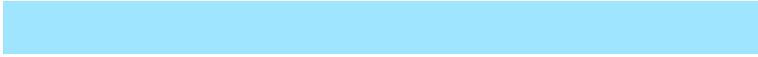
70.6296, 0.3412, 0.3054



70.6296, 0.3422, 0.3832

# Complementary

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



70.6296, 0.2557, 0.2992



58.4322, 0.3955, 0.3565

# 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.



70.6296, 0.3648, 0.3745



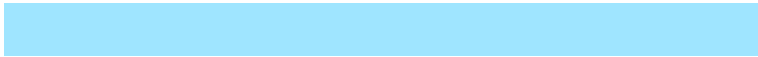
70.6296, 0.2557, 0.2992



70.6296, 0.3645, 0.3294

# Square

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



70.6296, 0.2557, 0.2992



70.6296, 0.3107, 0.2874



70.6296, 0.3733, 0.3544

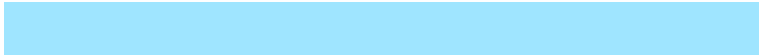


70.6296, 0.3124, 0.3760



# Rectangle

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



70.6296, 0.2557, 0.2992



70.6296, 0.2742, 0.2790



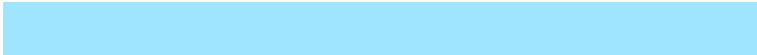
70.6296, 0.3733, 0.3544



70.6296, 0.3509, 0.3819

# Sweetspot

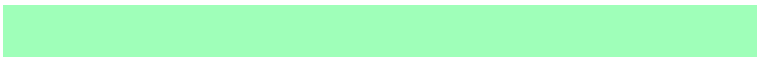
The Sweet Spot groups the original color and five complimentary colors.



70.6314, 0.2557, 0.2992



90.3160, 0.2956, 0.3213



82.3699, 0.2944, 0.4127



19.0898, 0.2935, 0.3203



0.0000, 0.0000, 0.0000

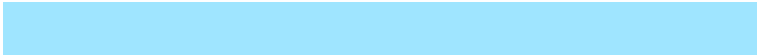


21.4041, 0.3127, 0.3290

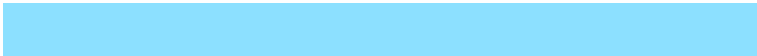


# Same Dimension

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



70.6314, 0.2557, 0.2992



66.1038, 0.2457, 0.2924



47.7800, 0.2472, 0.2414



19.6012, 0.2980, 0.3224



22.3850, 0.1996, 0.2384



2.3608, 0.2028, 0.2500



# Inverse Universe

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



51.6963, 0.3388, 0.2585



45.4686, 0.3456, 0.2452



81.8061, 0.3772, 0.4033



18.2116, 0.3180, 0.3118



12.9877, 0.4039, 0.1999

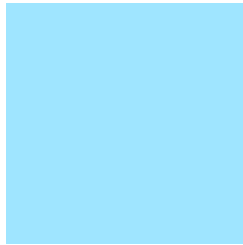


1.2829, 0.3922, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 70.6296, 0.2557, 0.2992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

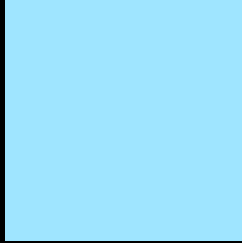
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6296, 0.2557, 0.2992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

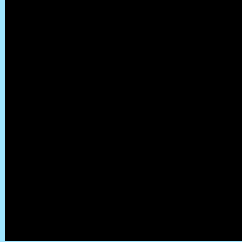
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.6296, 0.2557, 0.2992**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6296, 0.2557, 0.2992.

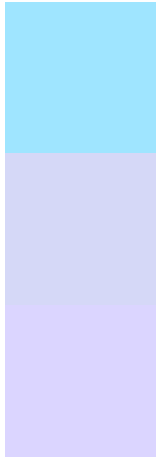


This preview shows how white text looks on a background with the Yxy color 70.6296, 0.2557, 0.2992.

# 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

70.6296, 0.2557, 0.2992

### Protanopia

69.9733, 0.2907, 0.2957

### Deuteranopia

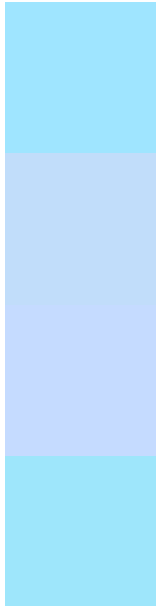
69.8686, 0.2897, 0.2849



## Tritanopia

70.6013, 0.2578, 0.3069

# Trichromacy



**Original Color**

70.6296, 0.2557, 0.2992

**Protanomaly**

69.9525, 0.2764, 0.2970

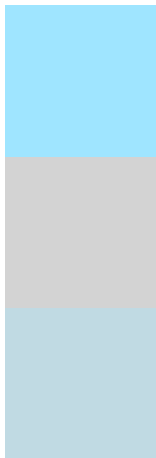
**Deuteranomaly**

69.7534, 0.2759, 0.2898

**Tritanomaly**

70.8278, 0.2573, 0.3047

# Monochromacy



**Original Color**

70.6296, 0.2557, 0.2992

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.8953, 0.2890, 0.3186

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6296, 0.2557, 0.2992 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(159, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 229, 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(159, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 229, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6296, 0.2557, 0.2992 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(159, 229, 255) }
```

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

```
.border{ border-color:rgb(159, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 229, 255); box-shadow:4px 4px 4px 4px rgb(159, 229, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6296, 0.2557, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 229, 255) }
```

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

```
.background{ background-color: rgb(159,  
229, 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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