

# Converting Colors

$Yxy(71.5649, 0.2533, 0.3022)$

Have a look what the booklet for  
Yxy(71.5649, 0.2533, 0.3022)  
contains.

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# Color

**Yxy(71.7055, 0.2533, 0.3025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E8FF
RGB	153, 232, 255
RGB Percent	60%, 91%, 100%
CMY	0.4000, 0.0902, 0.0000
CMYK	0.40, 0.09, 0.00, 0.00
HSL	194°, 100%, 80%
HSV	194°, 40%, 100%
XYZ	60.0430, 71.7055, 105.2945
YIQ	211.0010, -54.4670, -9.5950

# Conversions

## Conversions Part 2

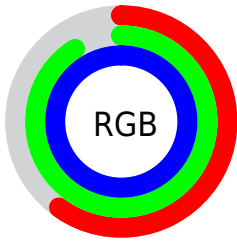
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 198, 255
Decimal	10086655
CIE <sub>Lab</sub>	87.83, -18.51, -18.77
CIE <sub>LCh</sub>	88, 26.358, 225.397
Yxy	71.7055, 0.2533, 0.3025
Android (android.graphics.Color)	4288276735 (0xFF99E8FF)
YUV	211.0010, 21.6915, -50.8669
Hunter-Lab	84.6791, -21.6203, -14.4490

# Details

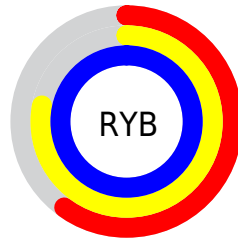
The Yxy color **71.7055, 0.2533, 0.3025** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.6040, 0.4046, 0.3534**, and the grayscale version is **65.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **37.6147, 0.2400, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **66.3023, 0.2406, 0.2947**, and if you desaturate by 10%, it is **77.7484, 0.2672, 0.3099**.

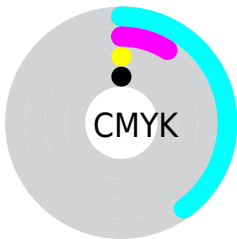
# Distribution



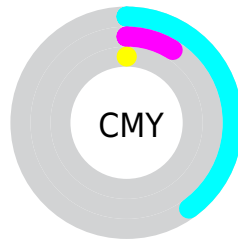
- Red (60%)
- Green (91%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7055, 0.2533, 0.3025 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 71.7055, 0.2533, 0.3025 by changing the saturation by 10% instead.



 71.7055, 0.2533,  
0.3025


 71.7055, 0.2533,  
0.3025


466.5159, 0.2802,  
0.3153

 52.9181, 0.2473,  
0.2995

 121.6377, 0.2625,  
0.3070

 37.7374, 0.2400,  
0.2957


 153.5514, 0.2661,  
0.3088

 25.7790, 0.2309,  
0.2908


190.6093, 0.2693,  
0.3103

 16.6584, 0.2193,  
0.2843

233.1958, 0.2720,  
0.3115

 9.9912, 0.2039,  
0.2753

281.6953, 0.2744,  
0.3127

 5.3931, 0.1828,  
0.2621

336.4922, 0.2766,

 2.4797, 0.1525,

0.3137

0.2411

397.9710, 0.2785,  
0.3145

0.8665, 0.0895,  
0.2085

0.0000, 0.0000,  
0.0000

71.7055, 0.2533,  
0.3025

71.7055, 0.2533,  
0.3025

66.3023, 0.2406,  
0.2947

77.7484, 0.2672,  
0.3099

61.4981, 0.2295,  
0.2865

84.4575, 0.2819,  
0.3168

57.2557, 0.2201,  
0.2782

91.8643, 0.2972,  
0.3232

53.5307, 0.2127,  
0.2697

99.9964, 0.3127,  
0.3290

■ 50.2699, 0.2073,  
0.2613

100.0000, 0.3127,  
0.3290

■ 47.3885, 0.2036,  
0.2531

# Harmonies

## Analogous

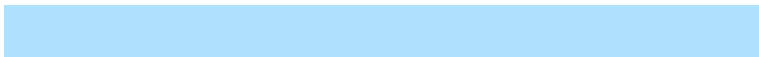
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7055, 0.2642, 0.3312



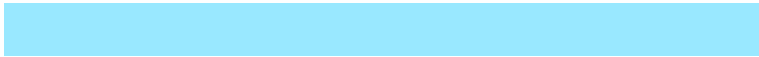
71.7055, 0.2533, 0.3025



71.7055, 0.2573, 0.2831

# Triad

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



71.7055, 0.2533, 0.3025



71.7055, 0.3364, 0.2997



71.7055, 0.3494, 0.3854

# Complementary

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



71.7055, 0.2533, 0.3025



54.6040, 0.4046, 0.3534

# 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.



71.7055, 0.3707, 0.3731



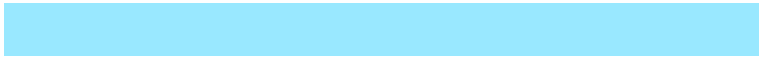
71.7055, 0.2533, 0.3025



71.7055, 0.3633, 0.3239

# Square

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



71.7055, 0.2533, 0.3025



71.7055, 0.3039, 0.2827



71.7055, 0.3760, 0.3503

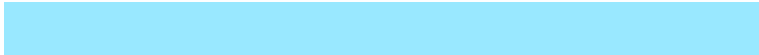


71.7055, 0.3189, 0.3816



# Rectangle

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



71.7055, 0.2533, 0.3025



71.7055, 0.2679, 0.2772



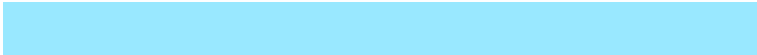
71.7055, 0.3760, 0.3503



71.7055, 0.3579, 0.3829

# Sweetspot

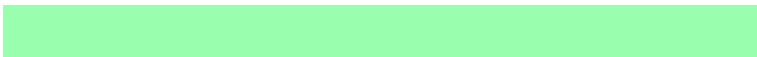
The Sweet Spot groups the original color and five complimentary colors.



71.7074, 0.2533, 0.3025



90.3290, 0.2941, 0.3220



81.3900, 0.2960, 0.4253



19.1224, 0.2921, 0.3212



0.0000, 0.0000, 0.0000

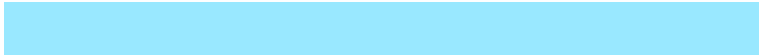


21.4041, 0.3127, 0.3290

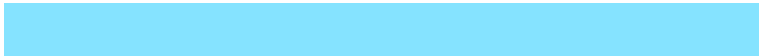


# Same Dimension

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



71.7074, 0.2533, 0.3025



67.3362, 0.2431, 0.2963



47.4031, 0.2437, 0.2412



19.7460, 0.2980, 0.3235



24.9961, 0.2040, 0.2544



2.5958, 0.2067, 0.2639



# Inverse Universe

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



49.8654, 0.3368, 0.2500



43.4944, 0.3432, 0.2351



78.0050, 0.3835, 0.4031



18.2262, 0.3173, 0.3108



13.2513, 0.3878, 0.1910

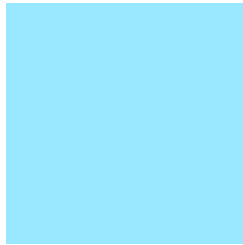


1.3066, 0.3786, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 71.7055, 0.2533, 0.3025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

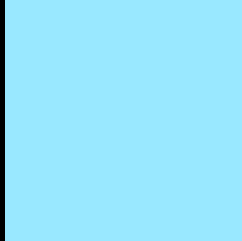
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7055, 0.2533, 0.3025 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 71.7055, 0.2533, 0.3025**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7055, 0.2533, 0.3025.

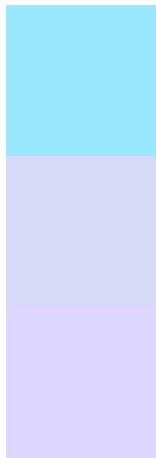


This preview shows how white text looks on a background with the Yxy color 71.7055, 0.2533, 0.3025.

# 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

71.7055, 0.2533, 0.3025

### Protanopia

71.2437, 0.2927, 0.2990

### Deuteranopia

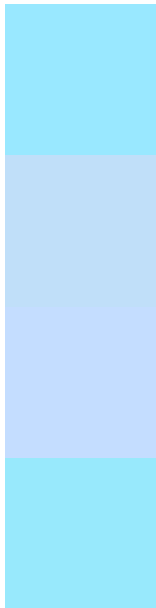
71.1930, 0.2911, 0.2872



## Tritanopia

71.9183, 0.2549, 0.3081

# Trichromacy



**Original Color**

71.7055, 0.2533, 0.3025

**Protanomaly**

70.8214, 0.2765, 0.3002

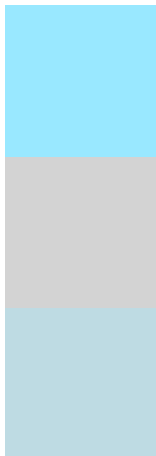
**Deuteranomaly**

70.6687, 0.2754, 0.2919

**Tritanomaly**

71.9815, 0.2544, 0.3070

# Monochromacy



**Original Color**

71.7055, 0.2533, 0.3025

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

67.1562, 0.2877, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7055, 0.2533, 0.3025 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(153, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 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(153, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7055, 0.2533, 0.3025 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(153, 232, 255) }
```

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

```
.border{ border-color:rgb(153, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7055, 0.2533, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 255) }
```

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

```
.background{ background-color: rgb(153,  
232, 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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