

# Converting Colors

$Y_{xy}(71.0720, 0.2509, 0.3034)$

Have a look what the booklet for  
Yxy(71.0720, 0.2509, 0.3034)  
contains.

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# Color

**Yxy(71.0720, 0.2509, 0.3034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93E8FE
RGB	147, 232, 254
RGB Percent	58%, 91%, 100%
CMY	0.4237, 0.0902, 0.0038
CMYK	0.42, 0.09, 0.00, 0.00
HSL	192°, 98%, 79%
HSV	192°, 42%, 100%
XYZ	58.7738, 71.0720, 104.4060
YIQ	209.0930, -57.7220, -11.1780

# Conversions

## Conversions Part 2

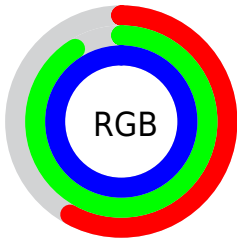
Format	Color
<a href="#">RYB</a>	<a href="#">147, 194, 254</a>
Decimal	<a href="#">9693438</a>
CIELab	<a href="#">87.52, -20.23, -18.74</a>
CIElCh	<a href="#">88, 27.575, 222.806</a>
Yxy	<a href="#">71.0720, 0.2509, 0.3034</a>
Android (android.graphics.Color)	<a href="#">4287883518 (0xFF93E8FE)</a>
YUV	<a href="#">209.0930, 22.1392, -54.4556</a>
Hunter-Lab	<a href="#">84.3042, -23.0888, -14.4144</a>

# Details

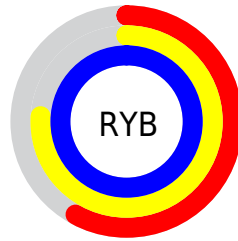
The Yxy color **71.0720, 0.2509, 0.3034** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.5414, 0.4126, 0.3525**, and the grayscale version is **63.7000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **37.2057, 0.2371, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **66.0842, 0.2388, 0.2962**, and if you desaturate by 10%, it is **76.6710, 0.2644, 0.3102**.

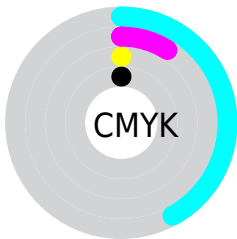
# Distribution



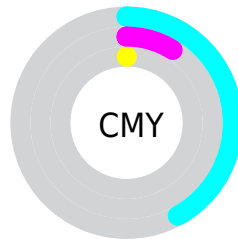
- Red (58%)
- Green (91%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0720, 0.2509, 0.3034 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 71.0720, 0.2509, 0.3034 by changing the saturation by 10% instead.





 71.0720, 0.2509,  
0.3034


 71.0720, 0.2509,  
0.3034


464.3051, 0.2789,  
0.3159

 52.4010, 0.2447,  
0.3004


 120.7362, 0.2605,  
0.3078

 37.3248, 0.2371,  
0.2967


 152.4982, 0.2643,  
0.3095

 25.4590, 0.2276,  
0.2919


189.3926, 0.2675,  
0.3110

 16.4194, 0.2155,  
0.2854

231.8039, 0.2704,  
0.3122

 9.8214, 0.1995,  
0.2764

280.1164, 0.2729,  
0.3133

 5.2807, 0.1776,  
0.2631

334.7145, 0.2751,

 2.4129, 0.1463,

0.3143

0.2420

395.9826, 0.2771,  
0.3151

0.8325, 0.0750,  
0.2099

0.0000, 0.0000,  
0.0000

71.0720, 0.2509,  
0.3034

71.0720, 0.2509,  
0.3034

66.0842, 0.2388,  
0.2962

76.6710, 0.2644,  
0.3102

61.6641, 0.2283,  
0.2888

82.9051, 0.2788,  
0.3166

57.7751, 0.2196,  
0.2812

89.8067, 0.2939,  
0.3225

54.3717, 0.2129,  
0.2736

97.4033, 0.3094,  
0.3279

■ 51.3993, 0.2082,  
0.2660

99.9373, 0.3133,  
0.3299

■ 49.3050, 0.2056,  
0.2602

# Harmonies

## Analogous

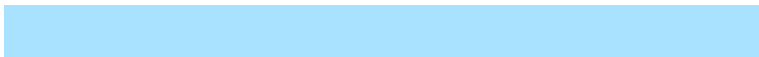
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0720, 0.2635, 0.3341



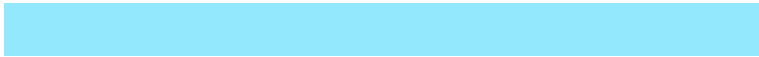
71.0720, 0.2509, 0.3034



71.0720, 0.2537, 0.2821

# Triad

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



71.0720, 0.2509, 0.3034



71.0720, 0.3346, 0.2964



71.0720, 0.3536, 0.3877

# Complementary

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



71.0720, 0.2509, 0.3034



51.5414, 0.4126, 0.3525

# 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.



71.0720, 0.3747, 0.3734



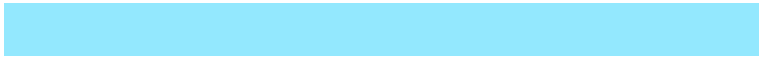
71.0720, 0.2509, 0.3034



71.0720, 0.3638, 0.3212

# Square

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



71.0720, 0.2509, 0.3034



71.0720, 0.3005, 0.2795



71.0720, 0.3788, 0.3489



71.0720, 0.3221, 0.3854

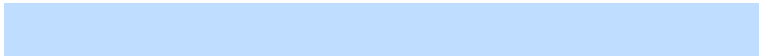


# Rectangle

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



71.0720, 0.2509, 0.3034



71.0720, 0.2639, 0.2752



71.0720, 0.3788, 0.3489



71.0720, 0.3622, 0.3846

# Sweetspot

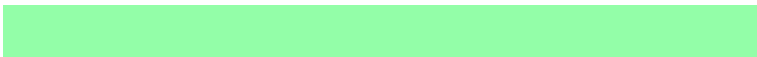
The Sweet Spot groups the original color and five complimentary colors.



71.0747, 0.2509, 0.3034



89.9744, 0.2926, 0.3220



79.9380, 0.2961, 0.4338



18.9194, 0.2892, 0.3208



0.0000, 0.0000, 0.0000

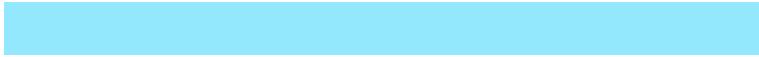


21.4041, 0.3127, 0.3290

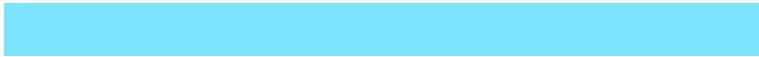


# Same Dimension

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



71.0747, 0.2509, 0.3034



67.2081, 0.2401, 0.2971



45.6235, 0.2400, 0.2378



19.8098, 0.2980, 0.3240



26.2069, 0.2060, 0.2614



2.7040, 0.2083, 0.2700



# Inverse Universe

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



47.7530, 0.3366, 0.2440



41.5307, 0.3432, 0.2276



75.3704, 0.3885, 0.4054



18.2326, 0.3170, 0.3103



13.3736, 0.3811, 0.1873

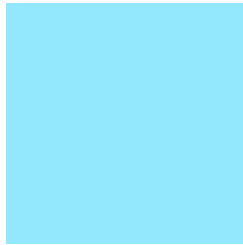


1.3175, 0.3728, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 71.0720, 0.2509, 0.3034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

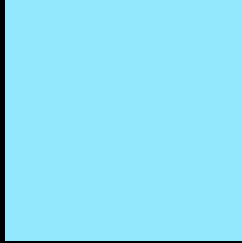
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0720, 0.2509, 0.3034 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 71.0720, 0.2509, 0.3034**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0720, 0.2509, 0.3034.

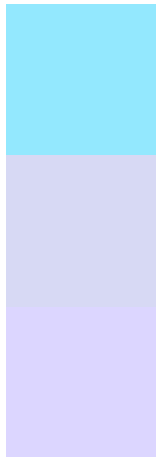


This preview shows how white text looks on a background with the Yxy color 71.0720, 0.2509, 0.3034.

# 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

71.0720, 0.2509, 0.3034

### Protanopia

70.6044, 0.2939, 0.3000

### Deuteranopia

70.5288, 0.2904, 0.2860



## Tritanopia

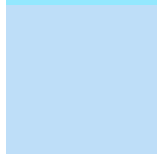
70.7893, 0.2519, 0.3067

# Trichromacy



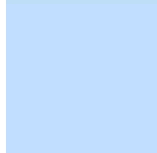
## Original Color

71.0720, 0.2509, 0.3034



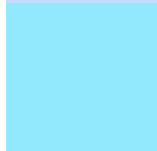
## Protanomaly

69.9670, 0.2757, 0.3000



## Deuteranomaly

70.2704, 0.2736, 0.2917



## Tritanomaly

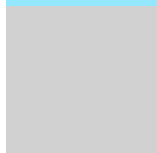
70.8525, 0.2514, 0.3056

# Monochromacy



## Original Color

71.0720, 0.2509, 0.3034



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.5011, 0.2862, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.0720, 0.2509, 0.3034 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(147, 232, 254)` looks like.

```
.text, #text, p{  
    color:rgb(147, 232, 254)  
}
```

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(147, 232, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 232, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0720, 0.2509, 0.3034 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(147, 232, 254) }
```

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

```
.border{ border-color:rgb(147, 232, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 232, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 232, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 232, 254);  
box-shadow:4px 4px 4px 4px rgb(147, 232,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0720, 0.2509, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 232, 254) }
```

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

```
.background{ background-color: rgb(147,  
232, 254) }
```

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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