

# Converting Colors

$Y_{xy}(73.9989, 0.2373, 0.2751)$

Have a look what the booklet for  
Yxy(73.9989, 0.2373, 0.2751)  
contains.

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# Color

**Yxy(71.9949, 0.2495, 0.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90EAFB
RGB	144, 234, 255
RGB Percent	56%, 92%, 100%
CMY	0.4353, 0.0823, 0.0000
CMYK	0.44, 0.08, 0.00, 0.00
HSL	191°, 100%, 78%
HSV	191°, 44%, 100%
XYZ	58.9715, 71.9949, 105.3924
YIQ	209.4840, -60.3810, -12.5490

# Conversions

## Conversions Part 2

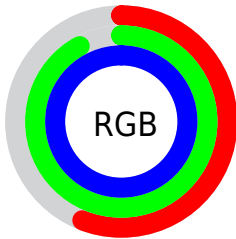
Format	Color
<a href="#">RYB</a>	<a href="#">144, 194, 255</a>
Decimal	<a href="#">9497343</a>
CIELab	<a href="#">87.97, -21.68, -18.59</a>
CIELCh	<a href="#">88, 28.555, 220.613</a>
Yxy	<a href="#">71.9949, 0.2495, 0.3046</a>
Android (android.graphics.Color)	<a href="#">4287687423</a> ( <a href="#">0xFF90EAF</a> )
YUV	<a href="#">209.4840, 22.4394, -57.4295</a>
Hunter-Lab	<a href="#">84.8498, -24.4277, -14.2496</a>

# Details

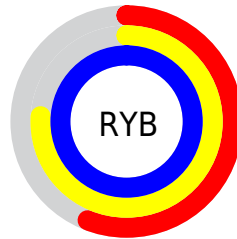
The Yxy color **71.9949, 0.2495, 0.3046** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1747, 0.4182, 0.3513**, and the grayscale version is **63.9726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **37.8493, 0.2354, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **67.2470, 0.2378, 0.2980**, and if you desaturate by 10%, it is **77.3415, 0.2626, 0.3109**.

# Distribution



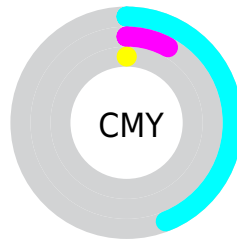
- Red (56%)
- Green (92%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9949, 0.2495, 0.3046 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 71.9949, 0.2495, 0.3046 by changing the saturation by 10% instead.





 71.9949, 0.2495,  
0.3046


 71.9949, 0.2495,  
0.3046


467.5238, 0.2781,  
0.3165

 53.1545, 0.2432,  
0.3017


 122.0493, 0.2593,  
0.3089

 37.9261, 0.2354,  
0.2981


 154.0321, 0.2631,  
0.3105

 25.9254, 0.2258,  
0.2935

191.1644, 0.2664,  
0.3119

 16.7678, 0.2136,  
0.2873

233.8308, 0.2693,  
0.3131

 10.0691, 0.1975,  
0.2786

282.4155, 0.2719,  
0.3141

 5.4448, 0.1755,  
0.2658

337.3030, 0.2742,

 2.5105, 0.1441,

0.3150

0.2453

398.8776, 0.2762,  
0.3158

0.8819, 0.0751,  
0.2142

0.0000, 0.0000,  
0.0000

71.9949, 0.2495,  
0.3046

71.9949, 0.2495,  
0.3046

67.2470, 0.2378,  
0.2980

77.3415, 0.2626,  
0.3109

63.0536, 0.2277,  
0.2912

83.3112, 0.2768,  
0.3168

59.3770, 0.2196,  
0.2842

89.9367, 0.2918,  
0.3223

56.1707, 0.2134,  
0.2773

97.2460, 0.3072,  
0.3273

■ 53.3779, 0.2092,  
0.2704

99.9998, 0.3127,  
0.3290

■ 51.7398, 0.2072,  
0.2660

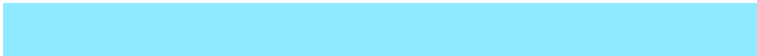
# Harmonies

## Analogous

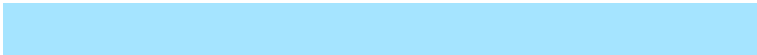
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9949, 0.2636, 0.3367



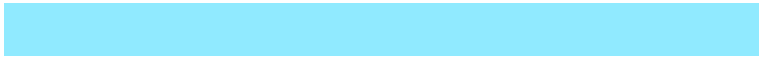
71.9949, 0.2495, 0.3046



71.9949, 0.2512, 0.2818

# Triad

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



71.9949, 0.2495, 0.3046



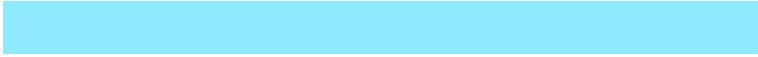
71.9949, 0.3327, 0.2938



71.9949, 0.3569, 0.3890

# Complementary

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



71.9949, 0.2495, 0.3046



50.1747, 0.4182, 0.3513

# 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.



71.9949, 0.3776, 0.3731



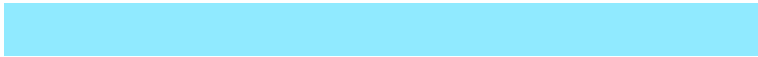
71.9949, 0.2495, 0.3046



71.9949, 0.3636, 0.3189

# Square

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



71.9949, 0.2495, 0.3046



71.9949, 0.2977, 0.2772



71.9949, 0.3804, 0.3473

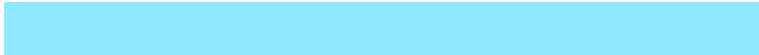


71.9949, 0.3248, 0.3881

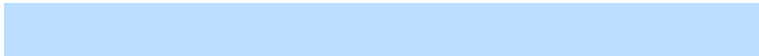


# Rectangle

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



71.9949, 0.2495, 0.3046



71.9949, 0.2610, 0.2741



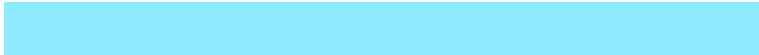
71.9949, 0.3804, 0.3473



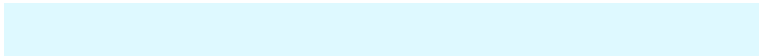
71.9949, 0.3654, 0.3853

# Sweetspot

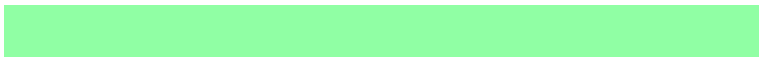
The Sweet Spot groups the original color and five complimentary colors.



71.9977, 0.2495, 0.3046



90.3117, 0.2926, 0.3226



80.1389, 0.2966, 0.4402



19.0033, 0.2893, 0.3214



0.0000, 0.0000, 0.0000

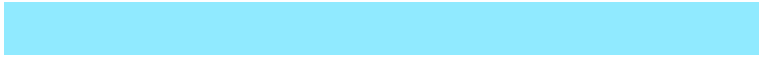


21.4041, 0.3127, 0.3290

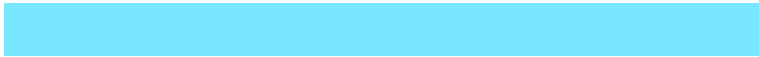


# Same Dimension

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



71.9977, 0.2495, 0.3046



67.9402, 0.2395, 0.2990



45.4444, 0.2379, 0.2366



19.8631, 0.2980, 0.3244



27.2446, 0.2075, 0.2671



2.7963, 0.2097, 0.2750



# Inverse Universe

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



47.1430, 0.3359, 0.2397



40.9866, 0.3418, 0.2241



74.3772, 0.3922, 0.4061



18.2380, 0.3167, 0.3099



13.4783, 0.3755, 0.1842

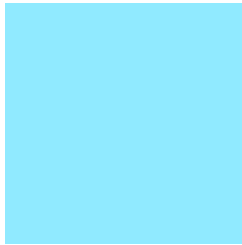


1.3268, 0.3682, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 71.9949, 0.2495, 0.3046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

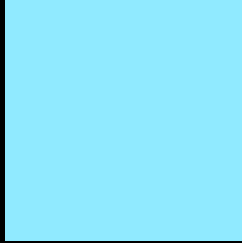
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9949, 0.2495, 0.3046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

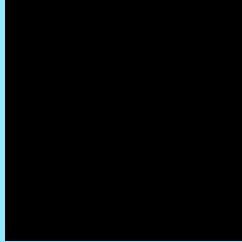
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9949, 0.2495, 0.3046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9949, 0.2495, 0.3046.

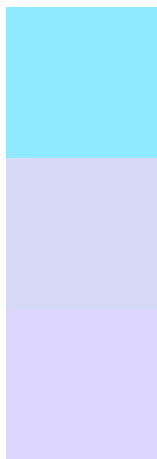


This preview shows how white text looks on a background with the Yxy color 71.9949, 0.2495, 0.3046.

# 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

71.9949, 0.2495, 0.3046

### Protanopia

71.3343, 0.2940, 0.3001

### Deuteranopia

71.1930, 0.2911, 0.2872



## Tritanopia

71.7771, 0.2500, 0.3068

# Trichromacy



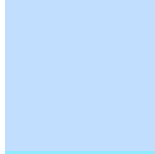
## Original Color

71.9949, 0.2495, 0.3046



## Protanomaly

71.0980, 0.2754, 0.3013



## Deuteranomaly

70.8000, 0.2737, 0.2929



## Tritanomaly

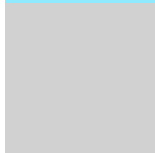
71.8410, 0.2495, 0.3057

# Monochromacy



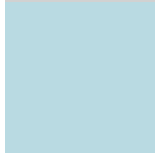
## Original Color

71.9949, 0.2495, 0.3046



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.9481, 0.2850, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9949, 0.2495, 0.3046 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(144, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 234, 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(144, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9949, 0.2495, 0.3046 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(144, 234, 255) }
```

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

```
.border{ border-color:rgb(144, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9949, 0.2495, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 234, 255) }
```

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

```
.background{ background-color: rgb(144,  
234, 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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