

# Converting Colors

$Y_{xy}(74.9241, 0.2353, 0.2860)$

Have a look what the booklet for  
Yxy(74.9241, 0.2353, 0.2860)  
contains.

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# Color

**Yxy(73.6201, 0.2442, 0.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81EFFF
RGB	129, 239, 255
RGB Percent	51%, 94%, 100%
CMY	0.4945, 0.0627, 0.0000
CMYK	0.49, 0.06, 0.00, 0.00
HSL	188°, 100%, 75%
HSV	188°, 49%, 100%
XYZ	57.9562, 73.6201, 105.7547
YIQ	207.9340, -70.6960, -18.3440

# Conversions

## Conversions Part 2

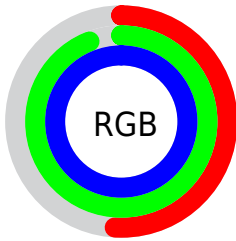
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 188, 255
Decimal	8515583
CIELab	88.74, -27.49, -17.48
CIELCh	89, 32.570, 212.448
Yxy	73.6201, 0.2442, 0.3102
Android (android.graphics.Color)	4286705663 (0xFF81EFFF)
YUV	207.9340, 23.2035, -69.2251
Hunter-Lab	85.8022, -29.5835, -13.0159

# Details

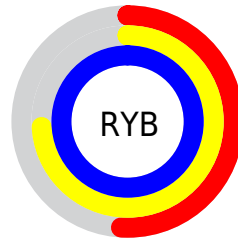
The Yxy color **73.6201, 0.2442, 0.3102** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.0516, 0.4442, 0.3459**, and the grayscale version is **62.8984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **39.0680, 0.2293, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **69.9964, 0.2343, 0.3058**, and if you desaturate by 10%, it is **77.7812, 0.2558, 0.3145**.

# Distribution



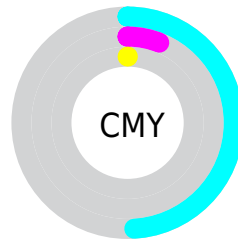
- Red (51%)
- Green (94%)
- Blue (100%)



- Red (51%)
- Yellow (74%)
- Blue (100%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6201, 0.2442, 0.3102 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 73.6201, 0.2442, 0.3102 by changing the saturation by 10% instead.





 73.6201, 0.2442,  
0.3102

 73.6201, 0.2442,  
0.3102


473.1612, 0.2750,  
0.3197


 54.4832, 0.2374,  
0.3079

 124.3571, 0.2547,  
0.3136

 38.9881, 0.2292,  
0.3049


 156.7260, 0.2588,  
0.3149

 26.7504, 0.2190,  
0.3010


 194.2743, 0.2624,  
0.3160

 17.3859, 0.2060,  
0.2958

237.3864, 0.2655,  
0.3170

 10.5100, 0.1890,  
0.2883

286.4468, 0.2683,  
0.3178

 5.7384, 0.1661,  
0.2771

341.8398, 0.2708,

 2.6867, 0.1339,

0.3185

0.2588

403.9498, 0.2730,  
0.3191

■ 0.9704, 0.0596,  
0.2322

■ 0.0000, 0.0000,  
0.0000

■ 73.6201, 0.2442,  
0.3102

■ 73.6201, 0.2442,  
0.3102

■ 69.9964, 0.2343,  
0.3058

■ 77.7812, 0.2558,  
0.3145

■ 66.8636, 0.2262,  
0.3013

■ 82.5054, 0.2689,  
0.3185

■ 64.1814, 0.2201,  
0.2968

■ 87.8266, 0.2831,  
0.3224

■ 61.8980, 0.2159,  
0.2923

■ 93.7733, 0.2981,  
0.3259

■ 59.9343, 0.2134,  
0.2879

99.9995, 0.3127,  
0.3290

■ 59.8304, 0.2132,  
0.2877

# Harmonies

## Analogous

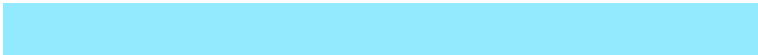
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6201, 0.2643, 0.3480



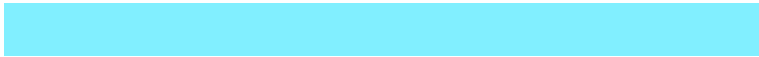
73.6201, 0.2442, 0.3102



73.6201, 0.2413, 0.2811

# Triad

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



73.6201, 0.2442, 0.3102



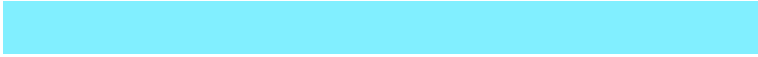
73.6201, 0.3243, 0.2833



73.6201, 0.3705, 0.3934

# Complementary

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



73.6201, 0.2442, 0.3102



43.0516, 0.4442, 0.3459

# 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.



73.6201, 0.3893, 0.3711



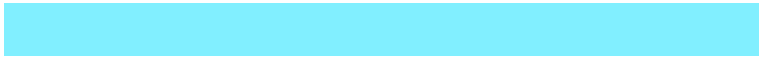
73.6201, 0.2442, 0.3102



73.6201, 0.3620, 0.3091

# Square

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



73.6201, 0.2442, 0.3102



73.6201, 0.2855, 0.2681



73.6201, 0.3864, 0.3405



73.6201, 0.3367, 0.3988

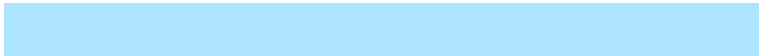


# Rectangle

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



73.6201, 0.2442, 0.3102



73.6201, 0.2492, 0.2697



73.6201, 0.3864, 0.3405



73.6201, 0.3789, 0.3875

# Sweetspot

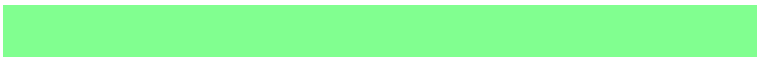
The Sweet Spot groups the original color and five complimentary colors.



73.6229, 0.2442, 0.3102



90.4010, 0.2897, 0.3240



78.1753, 0.2988, 0.4690



19.0858, 0.2865, 0.3232



0.0000, 0.0000, 0.0000

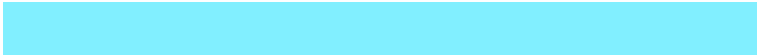


21.4041, 0.3127, 0.3290



# Same Dimension

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



73.6229, 0.2442, 0.3102



70.1540, 0.2347, 0.3060



43.4152, 0.2292, 0.2322



20.0656, 0.2980, 0.3259



31.4191, 0.2134, 0.2884



3.1643, 0.2149, 0.2934



# Inverse Universe

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



43.1651, 0.3326, 0.2220



37.3245, 0.3373, 0.2051



67.2995, 0.4089, 0.4081



18.2584, 0.3158, 0.3085



13.8997, 0.3558, 0.1734

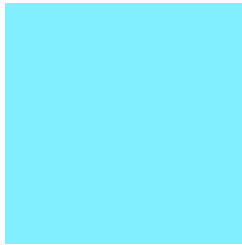


1.3640, 0.3512, 0.1709



# Previews

## White Background



This preview shows how the Yxy color 73.6201, 0.2442, 0.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

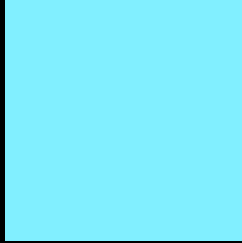
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6201, 0.2442, 0.3102 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 73.6201, 0.2442, 0.3102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6201, 0.2442, 0.3102.

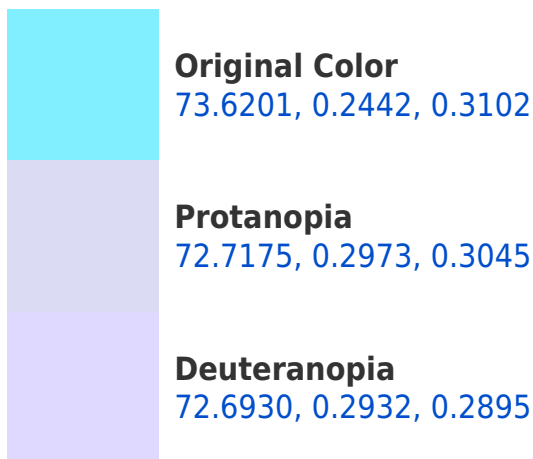


This preview shows how white text looks on a background with the Yxy color 73.6201, 0.2442, 0.3102.

# 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





## Tritanopia

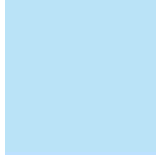
73.4511, 0.2488, 0.3081

# Trichromacy



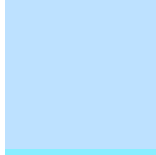
## Original Color

73.6201, 0.2442, 0.3102



## Protanomaly

72.0927, 0.2744, 0.3066



## Deuteranomaly

71.8892, 0.2716, 0.2960



## Tritanomaly

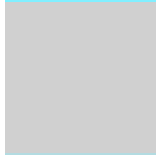
73.6874, 0.2473, 0.3092

# Monochromacy



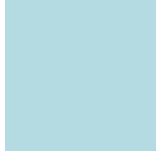
## Original Color

73.6201, 0.2442, 0.3102



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

65.6830, 0.2818, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6201, 0.2442, 0.3102 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(129, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 239, 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(129, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6201, 0.2442, 0.3102 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(129, 239, 255) }
```

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

```
.border{ border-color:rgb(129, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 239,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6201, 0.2442, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 239, 255) }
```

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

```
.background{ background-color: rgb(129,  
239, 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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