

# Converting Colors

$Yxy(75.4511, 0.2444, 0.3141)$

Have a look what the booklet for  
Yxy(75.4511, 0.2444, 0.3141)  
contains.

<b>Yxy(75.2363, 0.2441, 0.3137)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(75.2363, 0.2441, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF2FF
RGB	127, 242, 255
RGB Percent	50%, 95%, 100%
CMY	0.5024, 0.0509, 0.0000
CMYK	0.50, 0.05, 0.00, 0.00
HSL	186°, 100%, 75%
HSV	186°, 50%, 100%
XYZ	58.5438, 75.2363, 106.0551
YIQ	209.0970, -72.7130, -20.3370

# Conversions

## Conversions Part 2

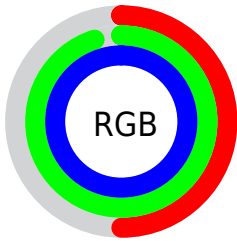
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 188, 255
Decimal	8385279
CIELab	89.50, -29.34, -16.35
CIELCh	90, 33.586, 209.132
Yxy	75.2363, 0.2441, 0.3137
Android (android.graphics.Color)	4286575359 (0xFF7FF2FF)
YUV	209.0970, 22.6302, -71.9991
Hunter-Lab	86.7389, -31.3157, -11.7764

# Details

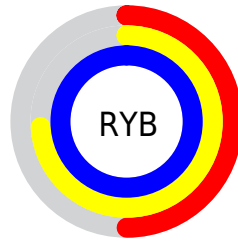
The Yxy color **75.2363, 0.2441, 0.3137** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.5096, 0.4493, 0.3427**, and the grayscale version is **63.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **40.2192, 0.2295, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **71.9962, 0.2346, 0.3102**, and if you desaturate by 10%, it is **78.9973, 0.2553, 0.3171**.

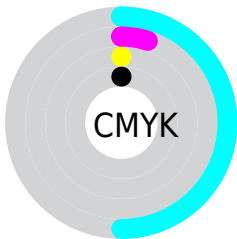
# Distribution



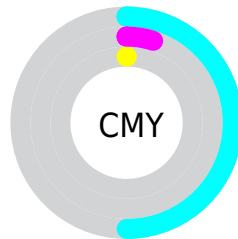
- Red (50%)
- Green (95%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2363, 0.2441, 0.3137 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 75.2363, 0.2441, 0.3137 by changing the saturation by 10% instead.





 75.2363, 0.2441,  
0.3137

 75.2363, 0.2441,  
0.3137

478.7294, 0.2748,  
0.3216

 55.8065, 0.2374,  
0.3117


 126.6468, 0.2545,  
0.3166

 40.0478, 0.2292,  
0.3092

 159.3963, 0.2587,  
0.3176

 27.5758, 0.2190,  
0.3059


 197.3545, 0.2622,  
0.3186

 18.0061, 0.2062,  
0.3014

240.9057, 0.2654,  
0.3193

 10.9544, 0.1894,  
0.2950

290.4344, 0.2682,  
0.3200

 6.0362, 0.1667,  
0.2852

346.3250, 0.2706,

 2.8671, 0.1350,

0.3206

0.2690

408.9619, 0.2728,  
0.3211

■ 1.0627, 0.0655,  
0.2452

■ 0.0000, 0.0000,  
0.0000

■ 75.2363, 0.2441,  
0.3137

■ 75.2363, 0.2441,  
0.3137

■ 71.9962, 0.2346,  
0.3102

■ 78.9973, 0.2553,  
0.3171

■ 69.2328, 0.2271,  
0.3067

■ 83.3075, 0.2681,  
0.3204

■ 66.9043, 0.2215,  
0.3031

■ 88.2001, 0.2820,  
0.3235

■ 64.9584, 0.2177,  
0.2996

■ 93.7040, 0.2969,  
0.3263

■ 63.3455, 0.2156,  
0.2962

99.8459, 0.3123,  
0.3289

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.2363, 0.2664, 0.3528



75.2363, 0.2441, 0.3137



75.2363, 0.2392, 0.2825

# Triad

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



75.2363, 0.2441, 0.3137



75.2363, 0.3200, 0.2800



75.2363, 0.3749, 0.3931

# Complementary

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



75.2363, 0.2441, 0.3137



41.5096, 0.4493, 0.3427

# 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.



75.2363, 0.3919, 0.3688



75.2363, 0.2441, 0.3137



75.2363, 0.3594, 0.3053

# Square

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



75.2363, 0.2441, 0.3137



75.2363, 0.2809, 0.2658



75.2363, 0.3864, 0.3370



75.2363, 0.3415, 0.4010

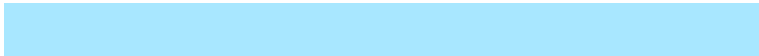


# Rectangle

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



75.2363, 0.2441, 0.3137



75.2363, 0.2459, 0.2698



75.2363, 0.3864, 0.3370



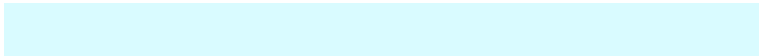
75.2363, 0.3828, 0.3864

# Sweetspot

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



75.2382, 0.2441, 0.3137



91.0050, 0.2897, 0.3250



77.9086, 0.2996, 0.4743



19.2328, 0.2866, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

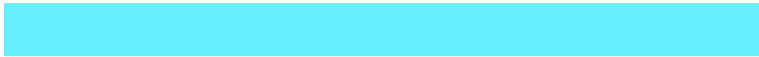


# Same Dimension

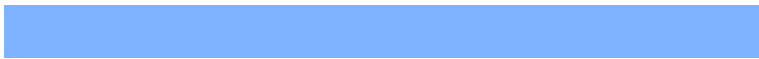
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2382, 0.2441, 0.3137



72.0676, 0.2348, 0.3103



43.6188, 0.2284, 0.2331



20.1482, 0.2980, 0.3265



33.2273, 0.2158, 0.2968



3.3223, 0.2169, 0.3008



# Inverse Universe

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



42.8231, 0.3299, 0.2179



37.0240, 0.3339, 0.2006



65.8600, 0.4119, 0.4073



18.2668, 0.3154, 0.3079



14.0823, 0.3483, 0.1692

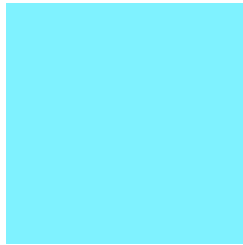


1.3799, 0.3448, 0.1673



# Previews

## White Background



This preview shows how the Yxy color 75.2363, 0.2441, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

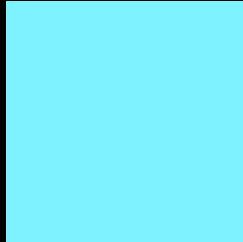
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2363, 0.2441, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

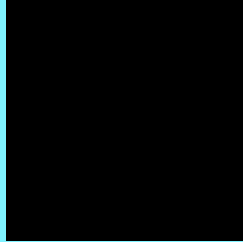
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2363, 0.2441, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2363, 0.2441, 0.3137.

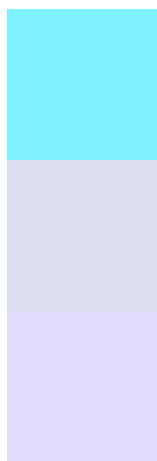


This preview shows how white text looks on a background with the Yxy color 75.2363, 0.2441, 0.3137.

# 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

75.2363, 0.2441, 0.3137

### Protanopia

74.1830, 0.2999, 0.3079

### Deuteranopia

74.2139, 0.2952, 0.2919



## Tritanopia

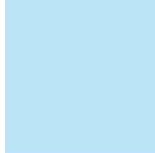
74.7586, 0.2526, 0.3094

# Trichromacy



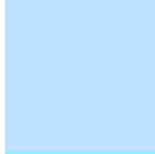
## Original Color

75.2363, 0.2441, 0.3137



## Protanomaly

73.3188, 0.2752, 0.3089



## Deuteranomaly

73.2345, 0.2730, 0.2984



## Tritanomaly

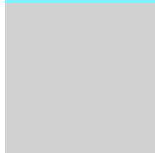
74.6157, 0.2492, 0.3104

# Monochromacy



## Original Color

75.2363, 0.2441, 0.3137



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.7876, 0.2814, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  75.2363, 0.2441, 0.3137 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(127, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 242, 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(127, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2363, 0.2441, 0.3137 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(127, 242, 255) }
```

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

```
.border{ border-color:rgb(127, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(127, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2363, 0.2441, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 242, 255) }
```

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

```
.background{ background-color: rgb(127,  
242, 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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