

# Converting Colors

$Yxy(78.4630, 0.2474, 0.3192)$

Have a look what the booklet for  
Yxy(78.4630, 0.2474, 0.3192)  
contains.

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# Color

**Yxy(78.7281, 0.2476, 0.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F7FF
RGB	133, 247, 255
RGB Percent	52%, 97%, 100%
CMY	0.4782, 0.0314, 0.0000
CMYK	0.48, 0.03, 0.00, 0.00
HSL	184°, 100%, 76%
HSV	184°, 48%, 100%
XYZ	60.9921, 78.7281, 106.6130
YIQ	213.8260, -70.5120, -21.6800

# Conversions

## Conversions Part 2

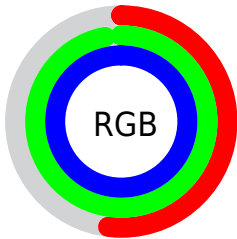
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 192, 255
Decimal	8779775
CIE Lab	91.11, -30.42, -13.93
CIE LCh	91, 33.453, 204.600
Yxy	78.7281, 0.2476, 0.3196
Android (android.graphics.Color)	4286969855 (0xFF85F7FF)
YUV	213.8260, 20.2988, -70.8844
Hunter-Lab	88.7289, -32.5748, -9.1303

# Details

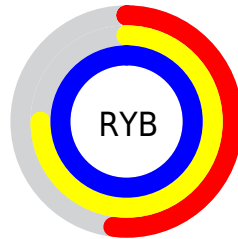
The Yxy color **78.7281, 0.2476, 0.3196** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.0196, 0.4420, 0.3376**, and the grayscale version is **67.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **42.2062, 0.2336, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **75.8796, 0.2381, 0.3174**, and if you desaturate by 10%, it is **82.0918, 0.2589, 0.3218**.

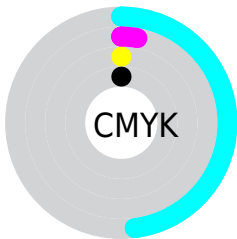
# Distribution



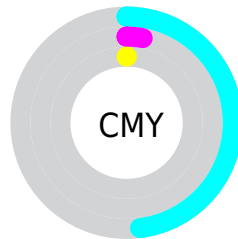
- Red (52%)
- Green (97%)
- Blue (100%)



- Red (52%)
- Yellow (75%)
- Blue (100%)



- Cyan (48%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7281, 0.2476, 0.3196 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 78.7281, 0.2476, 0.3196 by changing the saturation by 10% instead.




 78.7281, 0.2476,  
0.3196


 78.7281, 0.2476,  
0.3196


490.6360, 0.2766,  
0.3246

 58.6723, 0.2413,  
0.3183

 131.5760, 0.2574,  
0.3215

 42.3494, 0.2336,  
0.3166


 165.1369, 0.2613,  
0.3222

 29.3750, 0.2241,  
0.3144


203.9683, 0.2647,  
0.3228

 19.3646, 0.2120,  
0.3113

248.4545, 0.2677,  
0.3232

 11.9341, 0.1963,  
0.3068

298.9800, 0.2703,  
0.3237

 6.6988, 0.1752,  
0.2999

355.9291, 0.2726,

 3.2745, 0.1455,

0.3240

0.2881

419.6864, 0.2747,  
0.3244

1.2766, 0.0900,  
0.2692

0.1230, 0.0000,  
0.0994

78.7281, 0.2476,  
0.3196

78.7281, 0.2476,  
0.3196

75.8796, 0.2381,  
0.3174

82.0918, 0.2589,  
0.3218

73.5058, 0.2306,  
0.3151

86.0007, 0.2716,  
0.3239

71.5657, 0.2250,  
0.3129

90.4865, 0.2856,  
0.3258

70.0095, 0.2213,  
0.3106

95.5774, 0.3006,  
0.3277

■ 68.7707, 0.2192,  
0.3085

100.0000, 0.3127,  
0.3290

■ 68.5224, 0.2189,  
0.3080

# Harmonies

## Analogous

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



78.7281, 0.2718, 0.3580



78.7281, 0.2476, 0.3196



78.7281, 0.2400, 0.2872

# Triad

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



78.7281, 0.2476, 0.3196



78.7281, 0.3138, 0.2779



78.7281, 0.3775, 0.3892

# Complementary

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



78.7281, 0.2476, 0.3196



42.0196, 0.4420, 0.3376

# 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.



78.7281, 0.3911, 0.3637



78.7281, 0.2476, 0.3196



78.7281, 0.3532, 0.3015

# Square

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



78.7281, 0.2476, 0.3196



78.7281, 0.2764, 0.2660



78.7281, 0.3822, 0.3321



78.7281, 0.3466, 0.3997

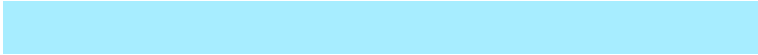


# Rectangle

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



78.7281, 0.2476, 0.3196



78.7281, 0.2449, 0.2731



78.7281, 0.3822, 0.3321



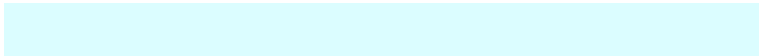
78.7281, 0.3843, 0.3819

# Sweetspot

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



78.7292, 0.2476, 0.3196



92.3607, 0.2912, 0.3266



78.3786, 0.3029, 0.4737



19.5403, 0.2881, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

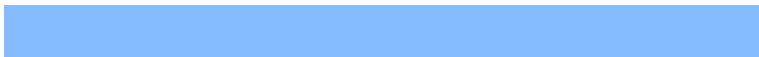
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7292, 0.2476, 0.3196



76.0961, 0.2388, 0.3176



48.1450, 0.2339, 0.2465



20.2652, 0.2980, 0.3274



35.8916, 0.2190, 0.3083



3.5537, 0.2197, 0.3109



# Inverse Universe

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



44.7630, 0.3251, 0.2191



38.9572, 0.3278, 0.2016



64.3194, 0.4094, 0.3980



18.2786, 0.3148, 0.3071



14.3512, 0.3381, 0.1636

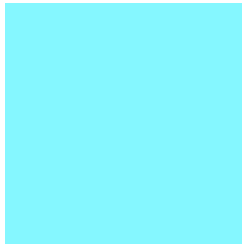


1.4033, 0.3360, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 78.7281, 0.2476, 0.3196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

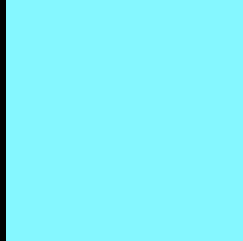
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7281, 0.2476, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

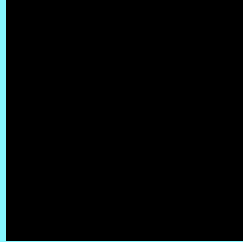
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

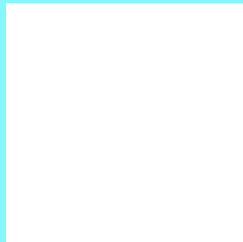
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7281, 0.2476, 0.3196**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7281, 0.2476, 0.3196.

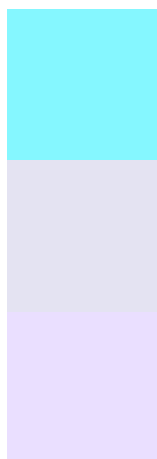


This preview shows how white text looks on a background with the Yxy color 78.7281, 0.2476, 0.3196.

# 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

78.7281, 0.2476, 0.3196

### Protanopia

77.8430, 0.3039, 0.3134

### Deuteranopia

77.4878, 0.2999, 0.2966



## Tritanopia

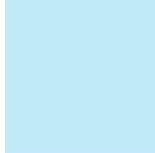
78.0862, 0.2631, 0.3122

# Trichromacy



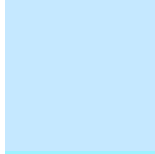
## Original Color

78.7281, 0.2476, 0.3196



## Protanomaly

76.8985, 0.2791, 0.3147



## Deuteranomaly

76.8035, 0.2770, 0.3042



## Tritanomaly

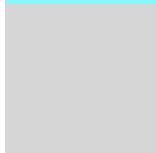
78.4893, 0.2572, 0.3154

# Monochromacy



## Original Color

78.7281, 0.2476, 0.3196



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.3641, 0.2838, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7281, 0.2476, 0.3196 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(133, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 247, 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(133, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7281, 0.2476, 0.3196 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(133, 247, 255) }
```

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

```
.border{ border-color:rgb(133, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7281, 0.2476, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 247, 255) }
```

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

```
.background{ background-color: rgb(133,  
247, 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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