

Converting Colors

$Yxy(76.4349, 0.2415, 0.3163)$

Have a look what the booklet for
Yxy(76.4349, 0.2415, 0.3163)
contains.

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Color

Yxy(76.4468, 0.2419, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	77F5FF
RGB	119, 245, 255
RGB Percent	47%, 96%, 100%
CMY	0.5332, 0.0392, 0.0000
CMYK	0.53, 0.04, 0.00, 0.00
HSL	184°, 100%, 73%
HSV	184°, 53%, 100%
XYZ	58.3175, 76.4468, 106.3167
YIQ	208.4660, -78.3060, -23.6020

Conversions

Conversions Part 2

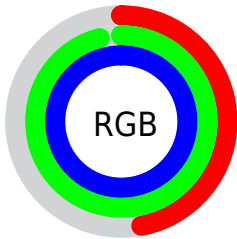
Format	Color
RYB	119, 184, 255
Decimal	7861759
CIELab	90.07, -32.31, -15.54
CIELCh	90, 35.856, 205.689
Yxy	76.4468, 0.2419, 0.3171
Android (android.graphics.Color)	4286051839 (0xFF77F5FF)
YUV	208.4660, 22.9413, -78.4617
Hunter-Lab	87.4339, -33.9516, -10.8910

Details

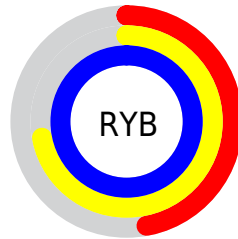
The Yxy color **76.4468, 0.2419, 0.3171** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.3042, 0.4647, 0.3395**, and the grayscale version is **63.2870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **40.6966, 0.2267, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **73.7488, 0.2334, 0.3146**, and if you desaturate by 10%, it is **79.6417, 0.2523, 0.3196**.

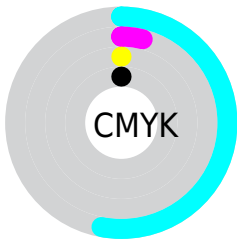
Distribution



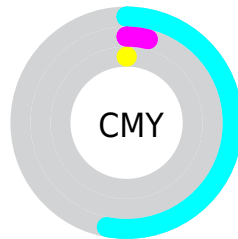
- Red (47%)
- Green (96%)
- Blue (100%)



- Red (47%)
- Yellow (72%)
- Blue (100%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4468, 0.2419, 0.3171 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 76.4468, 0.2419, 0.3171 by changing the saturation by 10% instead.


 76.4468, 0.2419,
0.3171

 76.4468, 0.2419,
0.3171


482.8758, 0.2735,
0.3235


 56.7990, 0.2350,
0.3155

 128.3583, 0.2526,
0.3195

 40.8439, 0.2266,
0.3134


 161.3907, 0.2569,
0.3203

 28.1971, 0.2162,
0.3106


 199.6535, 0.2605,
0.3211

 18.4743, 0.2031,
0.3067

243.5309, 0.2638,
0.3217

 11.2910, 0.1861,
0.3011

293.4075, 0.2666,
0.3222

 6.2629, 0.1632,
0.2925

349.6676, 0.2692,

 3.0056, 0.1313,

0.3227

0.2779

412.6955, 0.2715,
0.3231

■ 1.1347, 0.0612,
0.2569

■ 0.0073, 0.0000,
0.0066

■ 76.4468, 0.2419,
0.3171

■ 76.4468, 0.2419,
0.3171

■ 73.7488, 0.2334,
0.3146

■ 79.6417, 0.2523,
0.3196

■ 71.5058, 0.2268,
0.3121

■ 83.3666, 0.2643,
0.3220

■ 69.6727, 0.2221,
0.3095

■ 87.6543, 0.2777,
0.3243

■ 68.1934, 0.2193,
0.3070

■ 92.5342, 0.2923,
0.3264

67.3486, 0.2182,
0.3054

98.0337, 0.3075,
0.3284

100.0000, 0.3127,
0.3290

Harmonies

Analogous

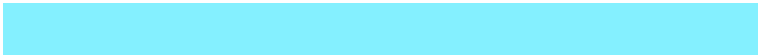
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4468, 0.2672, 0.3590



76.4468, 0.2419, 0.3171



76.4468, 0.2346, 0.2826

Triad

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



76.4468, 0.2419, 0.3171



76.4468, 0.3153, 0.2748



76.4468, 0.3817, 0.3946

Complementary

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



76.4468, 0.2419, 0.3171



38.3042, 0.4647, 0.3395

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.



76.4468, 0.3974, 0.3672



76.4468, 0.2419, 0.3171



76.4468, 0.3579, 0.3004

Square

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



76.4468, 0.2419, 0.3171



76.4468, 0.2747, 0.2615



76.4468, 0.3888, 0.3333



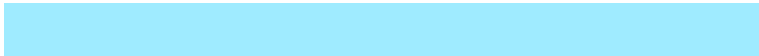
76.4468, 0.3477, 0.4058

Rectangle

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



76.4468, 0.2419, 0.3171



76.4468, 0.2402, 0.2680



76.4468, 0.3888, 0.3333



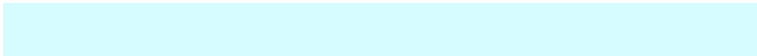
76.4468, 0.3894, 0.3868

Sweetspot

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



76.4476, 0.2419, 0.3171



91.1659, 0.2883, 0.3259



77.0058, 0.3009, 0.4901



19.2948, 0.2853, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

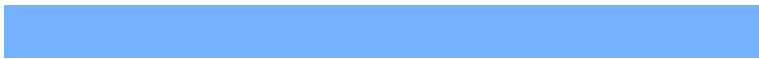
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4476, 0.2419, 0.3171



73.5820, 0.2329, 0.3144



42.9675, 0.2244, 0.2319



20.2391, 0.2980, 0.3272



35.2877, 0.2183, 0.3058



3.5014, 0.2191, 0.3086

Inverse Universe

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



41.0551, 0.3277, 0.2091



35.3503, 0.3310, 0.1911



62.1102, 0.4218, 0.4073



18.2759, 0.3149, 0.3073



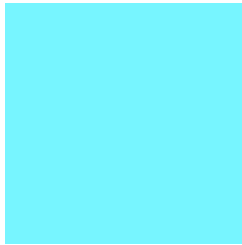
14.2903, 0.3403, 0.1649



1.3980, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 76.4468, 0.2419, 0.3171 looks on a white background.

Color Contrast Check

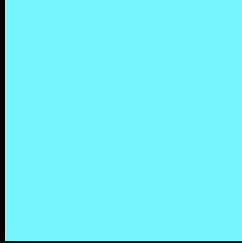
Large Text (above 18pt) WCAG AA × Fail

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 76.4468, 0.2419, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

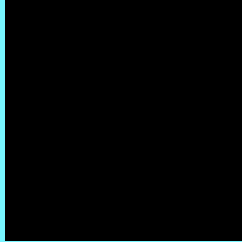
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4468, 0.2419, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 76.4468, 0.2419, 0.3171.

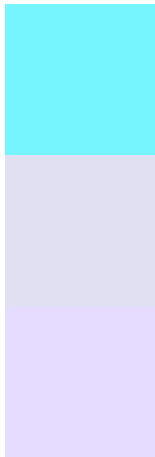


This preview shows how white text looks on a background with the Yxy color 76.4468, 0.2419, 0.3171.

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

76.4468, 0.2419, 0.3171

Protanopia

75.5694, 0.3013, 0.3101

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

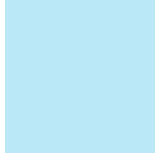
75.8230, 0.2551, 0.3107

Trichromacy



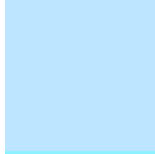
Original Color

76.4468, 0.2419, 0.3171



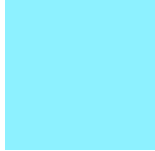
Protanomaly

74.8677, 0.2749, 0.3123



Deuteranomaly

74.0774, 0.2720, 0.3005



Tritanomaly

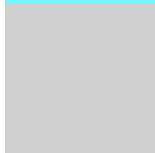
75.7933, 0.2496, 0.3128

Monochromacy



Original Color

76.4468, 0.2419, 0.3171



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.3793, 0.2801, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4468, 0.2419, 0.3171 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(119, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 245, 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(119, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.4468, 0.2419, 0.3171 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(119, 245, 255) }
```

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

```
.border{ border-color:rgb(119, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4468, 0.2419, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 245, 255) }
```

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

```
.background{ background-color: rgb(119,  
245, 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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