

Converting Colors

$Y_{xy}(77.1590, 0.2386, 0.3200)$

Have a look what the booklet for
Yxy(77.1590, 0.2386, 0.3200)
contains.

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Color

Yxy(76.8673, 0.2384, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	6BF7FF
RGB	107, 247, 255
RGB Percent	42%, 97%, 100%
CMY	0.5804, 0.0314, 0.0000
CMYK	0.58, 0.03, 0.00, 0.00
HSL	183°, 100%, 71%
HSV	183°, 58%, 100%
XYZ	57.3737, 76.8673, 106.4205
YIQ	206.0520, -86.0080, -27.1920

Conversions

Conversions Part 2

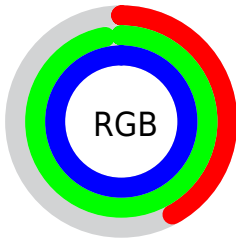
Format	Color
RYB	107, 179, 255
Decimal	7075839
CIELab	90.26, -35.45, -15.27
CIElCh	90, 38.603, 203.306
Yxy	76.8673, 0.2384, 0.3194
Android (android.graphics.Color)	4285265919 (0xFF6BF7FF)
YUV	206.0520, 24.1314, -86.8686
Hunter-Lab	87.6740, -36.6194, -10.5956

Details

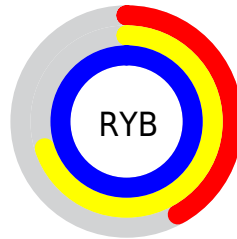
The Yxy color **76.8673, 0.2384, 0.3194** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.5827, 0.4878, 0.3372**, and the grayscale version is **61.6422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **41.0426, 0.2226, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **74.6762, 0.2310, 0.3176**, and if you desaturate by 10%, it is **79.5361, 0.2477, 0.3212**.

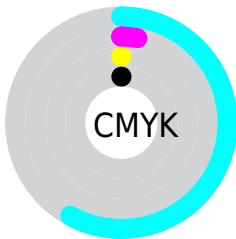
Distribution



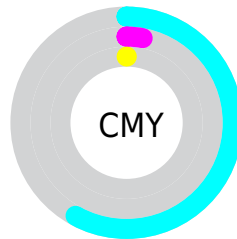
- Red (42%)
- Green (97%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8673, 0.2384, 0.3194 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 76.8673, 0.2384, 0.3194 by changing the saturation by 10% instead.

 76.8673, 0.2384,
0.3194

 76.8673, 0.2384,
0.3194


484.3115, 0.2715,
0.3248

 57.1440, 0.2312,
0.3180

 128.9521, 0.2496,
0.3214

 41.1208, 0.2224,
0.3161


 162.0824, 0.2541,
0.3222

 28.4135, 0.2116,
0.3136


 200.4505, 0.2579,
0.3228

 18.6376, 0.1980,
0.3101

244.4408, 0.2613,
0.3233

 11.4087, 0.1804,
0.3049

294.4376, 0.2643,
0.3238

 6.3425, 0.1568,
0.2967


350.8254, 0.2670,


 3.0544, 0.1242,

0.3242

0.2827


413.9886, 0.2693,
0.3245


 1.1602, 0.0487,
0.2639


 0.0288, 0.0000,
0.0254


 76.8673, 0.2384,
0.3194


 76.8673, 0.2384,
0.3194

 74.6762, 0.2310,
0.3176


 79.5361, 0.2477,
0.3212

 72.9121, 0.2256,
0.3157

 82.7113, 0.2588,
0.3230


 71.5278, 0.2221,
0.3139

 86.4292, 0.2714,
0.3247

 70.4555, 0.2202,
0.3121

 90.7204, 0.2853,
0.3264

 70.2629, 0.2199,
0.3117

 95.6131, 0.3002,
0.3279

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.



76.8673, 0.2667, 0.3647



76.8673, 0.2384, 0.3194



76.8673, 0.2291, 0.2814

Triad

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



76.8673, 0.2384, 0.3194



76.8673, 0.3117, 0.2695



76.8673, 0.3888, 0.3973

Complementary

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



76.8673, 0.2384, 0.3194



34.5827, 0.4878, 0.3372

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.



76.8673, 0.4040, 0.3668



76.8673, 0.2384, 0.3194



76.8673, 0.3578, 0.2958

Square

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



76.8673, 0.2384, 0.3194



76.8673, 0.2689, 0.2564



76.8673, 0.3927, 0.3303



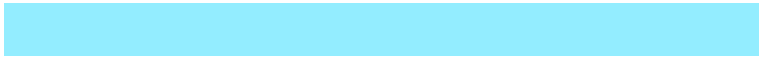
76.8673, 0.3533, 0.4116

Rectangle

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



76.8673, 0.2384, 0.3194



76.8673, 0.2340, 0.2650



76.8673, 0.3927, 0.3303



76.8673, 0.3966, 0.3884

Sweetspot

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



76.8701, 0.2384, 0.3194



91.1999, 0.2868, 0.3265



75.8701, 0.3011, 0.5089



19.3232, 0.2839, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

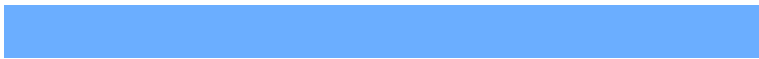
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8701, 0.2384, 0.3194



74.2977, 0.2298, 0.3172



40.4644, 0.2176, 0.2248



20.3033, 0.2980, 0.3277



36.7868, 0.2200, 0.3120



3.6312, 0.2206, 0.3141

Inverse Universe

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



38.4917, 0.3264, 0.1985



33.1124, 0.3293, 0.1806



58.4597, 0.4353, 0.4107



18.2824, 0.3146, 0.3068



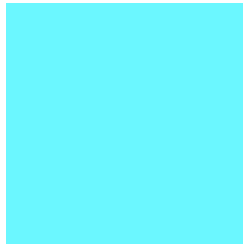
14.4416, 0.3350, 0.1619



1.4111, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 76.8673, 0.2384, 0.3194 looks on a white background.

Color Contrast Check

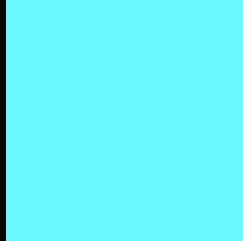
Large Text (above 18pt) WCAG AA × Fail

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 76.8673, 0.2384, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

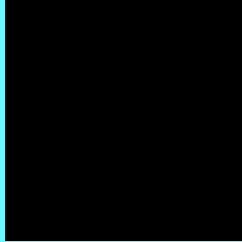
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8673, 0.2384, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 76.8673, 0.2384, 0.3194.

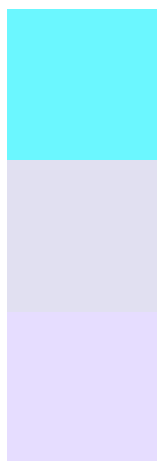


This preview shows how white text looks on a background with the Yxy color 76.8673, 0.2384, 0.3194.

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

76.8673, 0.2384, 0.3194

Protanopia

75.6697, 0.3026, 0.3111

Deuteranopia

75.7559, 0.2973, 0.2942



Tritanopia

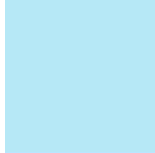
76.4102, 0.2552, 0.3119

Trichromacy



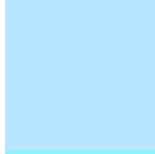
Original Color

76.8673, 0.2384, 0.3194



Protanomaly

74.3121, 0.2731, 0.3133



Deuteranomaly

74.1279, 0.2698, 0.3015



Tritanomaly

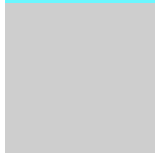
76.6395, 0.2484, 0.3150

Monochromacy



Original Color

76.8673, 0.2384, 0.3194



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.6408, 0.2770, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8673, 0.2384, 0.3194 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(107, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.8673, 0.2384, 0.3194 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(107, 247, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8673, 0.2384, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 247, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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