

Converting Colors

$Y_{xy}(75.7008, 0.2393, 0.3224)$

Have a look what the booklet for
Yxy(75.7008, 0.2393, 0.3224)
contains.

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Color

Yxy(75.9407, 0.2394, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	6AF6FB
RGB	106, 246, 251
RGB Percent	42%, 96%, 98%
CMY	0.5846, 0.0352, 0.0158
CMYK	0.58, 0.02, 0.00, 0.02
HSL	182°, 95%, 70%
HSV	182°, 58%, 98%
XYZ	56.3029, 75.9407, 102.9397
YIQ	204.7100, -85.0450, -28.1250

Conversions

Conversions Part 2

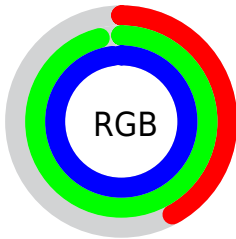
Format	Color
R _Y B	106, 177, 251
Decimal	7010043
CIE Lab	89.83, -36.25, -13.82
CIE LCh	90, 38.797, 200.874
Yxy	75.9407, 0.2394, 0.3229
Android (android.graphics.Color)	4285200123 (0xFF6AF6FB)
YUV	204.7100, 22.8210, -86.5687
Hunter-Lab	87.1440, -37.1748, -9.0362

Details

The Yxy color **75.9407, 0.2394, 0.3229** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.8917, 0.4884, 0.3344**, and the grayscale version is **60.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **40.4545, 0.2232, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **74.1039, 0.2322, 0.3217**, and if you desaturate by 10%, it is **78.2354, 0.2485, 0.3241**.

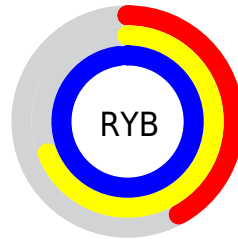
Distribution



Red (42%)

Green (96%)

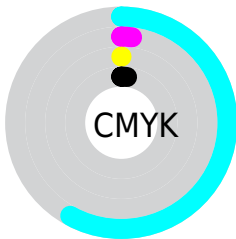
Blue (98%)



Red (42%)

Yellow (69%)

Blue (98%)

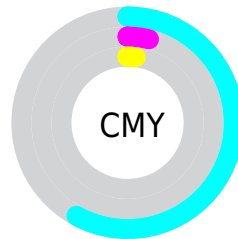


Cyan (58%)

Magenta (2%)

Yellow (0%)

Black (2%)



Cyan (58%)


Magenta (4%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9407, 0.2394, 0.3229 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 75.9407, 0.2394, 0.3229 by changing the saturation by 10% instead.


 75.9407, 0.2394,
0.3229

 75.9407, 0.2394,
0.3229


481.1447, 0.2722,
0.3267


 56.3839, 0.2322,
0.3218


 127.6431, 0.2505,
0.3244

 40.5108, 0.2235,
0.3204


 160.5574, 0.2549,
0.3249

 27.9370, 0.2127,
0.3185


 198.6931, 0.2587,
0.3253

 18.2782, 0.1991,
0.3157

242.4344, 0.2621,
0.3257

 11.1499, 0.1814,
0.3114

292.1659, 0.2651,
0.3260

 6.1678, 0.1576,
0.3046

348.2718, 0.2677,

 2.9474, 0.1245,

0.3262

0.2923

411.1366, 0.2700,
0.3265

■ 1.1043, 0.0378,
0.2789

■ 0.0000, 0.0000,
0.0000

■ 75.9407, 0.2394,
0.3229

■ 75.9407, 0.2394,
0.3229

■ 74.1039, 0.2322,
0.3217

■ 78.2354, 0.2485,
0.3241

■ 72.6758, 0.2270,
0.3206

■ 81.0149, 0.2594,
0.3252

■ 71.6115, 0.2237,
0.3194

■ 84.3142, 0.2719,
0.3263


■ 70.8471, 0.2220,
0.3183


■ 88.1627, 0.2858,
0.3273

 70.6982, 0.2217,
0.3181

 92.5876, 0.3006,
0.3283

 97.3245, 0.3152,
0.3292

 97.8631, 0.3152,
0.3300

 98.4043, 0.3151,
0.3308

 98.9478, 0.3151,
0.3316

Harmonies

Analogous

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



75.9407, 0.2693, 0.3686



75.9407, 0.2394, 0.3229



75.9407, 0.2284, 0.2835

Triad

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



75.9407, 0.2394, 0.3229



75.9407, 0.3078, 0.2674



75.9407, 0.3916, 0.3958

Complementary

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



75.9407, 0.2394, 0.3229



32.8917, 0.4884, 0.3344

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.



75.9407, 0.4049, 0.3642



75.9407, 0.2394, 0.3229



75.9407, 0.3547, 0.2930

Square

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



75.9407, 0.2394, 0.3229



75.9407, 0.2655, 0.2554



75.9407, 0.3913, 0.3273



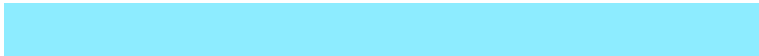
75.9407, 0.3571, 0.4120

Rectangle

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



75.9407, 0.2394, 0.3229



75.9407, 0.2323, 0.2660



75.9407, 0.3913, 0.3273



75.9407, 0.3989, 0.3864

Sweetspot

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



75.9436, 0.2394, 0.3229



91.7416, 0.2869, 0.3274



73.1847, 0.3021, 0.5108



19.4527, 0.2840, 0.3272



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.



75.9436, 0.2394, 0.3229



76.6203, 0.2315, 0.3216



40.1498, 0.2188, 0.2287



19.5006, 0.2980, 0.3281



37.2147, 0.2217, 0.3183



3.4777, 0.2221, 0.3196

Inverse Universe

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



37.4544, 0.3237, 0.1969



33.6972, 0.3257, 0.1795



55.5320, 0.4362, 0.4080



17.5137, 0.3143, 0.3064



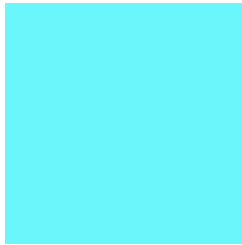
14.1678, 0.3297, 0.1590



1.3153, 0.3285, 0.1584

Previews

White Background



This preview shows how the Yxy color 75.9407, 0.2394, 0.3229 looks on a white background.

Color Contrast Check

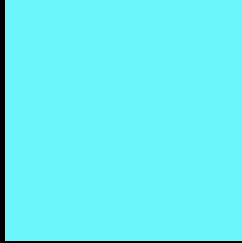
Large Text (above 18pt) WCAG AA × Fail

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 75.9407, 0.2394, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

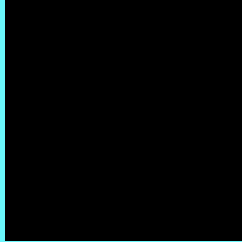
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9407, 0.2394, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 75.9407, 0.2394, 0.3229.

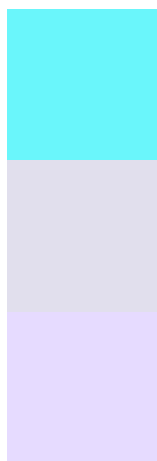


This preview shows how white text looks on a background with the Yxy color 75.9407, 0.2394, 0.3229.

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

75.9407, 0.2394, 0.3229

Protanopia

74.8973, 0.3051, 0.3142

Deuteranopia

74.7060, 0.2972, 0.2921



Tritanopia

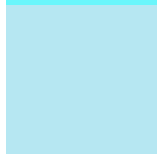
75.2489, 0.2523, 0.3106

Trichromacy



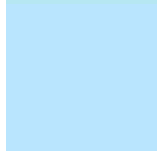
Original Color

75.9407, 0.2394, 0.3229



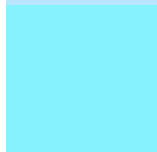
Protanomaly

73.5077, 0.2751, 0.3165



Deuteranomaly

73.5087, 0.2703, 0.3014



Tritanomaly

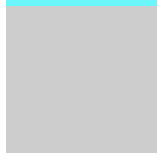
75.6466, 0.2469, 0.3149

Monochromacy



Original Color

75.9407, 0.2394, 0.3229



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.8953, 0.2774, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9407, 0.2394, 0.3229 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(106, 246, 251)` looks like.

```
.text, #text, p{  
    color:rgb(106, 246, 251)  
}
```

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(106, 246, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 246, 251) }
```

Border

The CSS property to change the border of an element to Yxy 75.9407, 0.2394, 0.3229 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(106, 246, 251) }
```

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

```
.border{ border-color:rgb(106, 246, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 246, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 246, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 246, 251);  
box-shadow:4px 4px 4px 4px rgb(106, 246,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9407, 0.2394, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 246, 251) }
```

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

```
.background{ background-color: rgb(106,  
246, 251) }
```

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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