

Converting Colors

$Y_{xy}(76.9319, 0.2370, 0.3201)$

Have a look what the booklet for
Yxy(76.9319, 0.2370, 0.3201)
contains.

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Color

Yxy(77.1796, 0.2371, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	66F8FF
RGB	102, 248, 255
RGB Percent	40%, 97%, 100%
CMY	0.6007, 0.0274, 0.0001
CMYK	0.60, 0.03, 0.00, 0.00
HSL	183°, 100%, 70%
HSV	183°, 60%, 100%
XYZ	57.0782, 77.1796, 106.4770
YIQ	205.1440, -89.2630, -28.7750

Conversions

Conversions Part 2

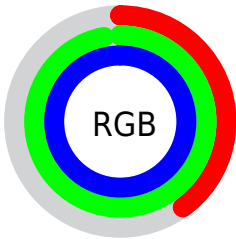
Format	Color
RYB	102, 177, 255
Decimal	6748415
CIELab	90.40, -36.80, -15.06
CIELCh	90, 39.762, 202.257
Yxy	77.1796, 0.2371, 0.3206
Android (android.graphics.Color)	4284938495 (0xFF66F8FF)
YUV	205.1440, 24.5790, -90.4573
Hunter-Lab	87.8519, -37.7677, -10.3635

Details

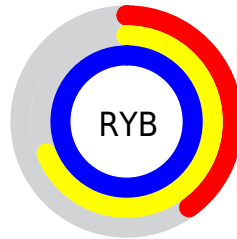
The Yxy color **77.1796, 0.2371, 0.3206** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.1012, 0.4982, 0.3361**, and the grayscale version is **61.0015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **75.2081, 0.2302, 0.3190**, and if you desaturate by 10%, it is **79.6190, 0.2459, 0.3221**.

Distribution



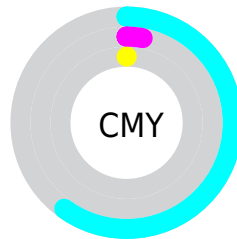
- Red (40%)
- Green (97%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1796, 0.2371, 0.3206 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 77.1796, 0.2371, 0.3206 by changing the saturation by 10% instead.

 77.1796, 0.2371,
0.3206

 77.1796, 0.2371,
0.3206

485.3762, 0.2707,
0.3255

 57.4003, 0.2298,
0.3193


 129.3930, 0.2485,
0.3225

 41.3267, 0.2209,
0.3175


 162.5958, 0.2530,
0.3231

 28.5745, 0.2100,
0.3152


 201.0420, 0.2569,
0.3237

 18.7591, 0.1962,
0.3119

245.1158, 0.2604,
0.3242

 11.4964, 0.1783,
0.3069

295.2018, 0.2634,
0.3246

 6.4017, 0.1545,
0.2991


351.6842, 0.2661,


 3.0909, 0.1217,


0.3249


0.2855


414.9476, 0.2685,
0.3252


 1.1794, 0.0446,
0.2679


 0.0447, 0.0000,
0.0388


 77.1796, 0.2371,
0.3206


 77.1796, 0.2371,
0.3206


 75.2081, 0.2302,
0.3190


 79.6190, 0.2459,
0.3221


 73.6522, 0.2253,
0.3175

 82.5556, 0.2566,
0.3237

 72.4627, 0.2223,
0.3160

 86.0264, 0.2688,
0.3251

 71.5598, 0.2207,
0.3145

 90.0626, 0.2825,
0.3265

■ 94.6928, 0.2972,
0.3278

99.9437, 0.3126,
0.3290

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



77.1796, 0.2667, 0.3674



77.1796, 0.2371, 0.3206



77.1796, 0.2269, 0.2811

Triad

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



77.1796, 0.2371, 0.3206



77.1796, 0.3099, 0.2672



77.1796, 0.3919, 0.3982

Complementary

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



77.1796, 0.2371, 0.3206



33.1012, 0.4982, 0.3361

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.



77.1796, 0.4067, 0.3664



77.1796, 0.2371, 0.3206



77.1796, 0.3575, 0.2938

Square

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



77.1796, 0.2371, 0.3206



77.1796, 0.2664, 0.2544



77.1796, 0.3941, 0.3289



77.1796, 0.3559, 0.4139

Rectangle

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



77.1796, 0.2371, 0.3206



77.1796, 0.2315, 0.2639



77.1796, 0.3941, 0.3289



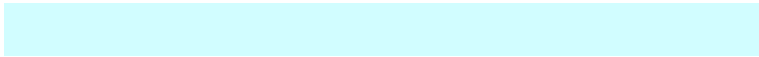
77.1796, 0.3996, 0.3888

Sweetspot

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



77.1825, 0.2371, 0.3206



90.9873, 0.2854, 0.3268



75.3807, 0.3017, 0.5185



19.2031, 0.2813, 0.3264



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

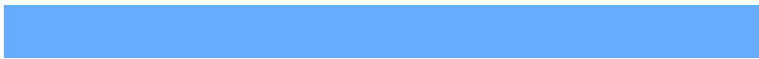
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1825, 0.2371, 0.3206



74.8904, 0.2291, 0.3187



40.0333, 0.2153, 0.2239



20.3316, 0.2980, 0.3279



37.4607, 0.2208, 0.3148



3.6894, 0.2212, 0.3165

Inverse Universe

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



37.5024, 0.3257, 0.1941



32.5121, 0.3282, 0.1771



56.2875, 0.4423, 0.4104



18.2853, 0.3145, 0.3066



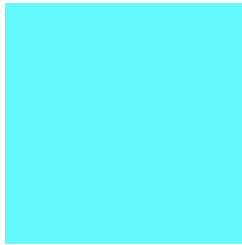
14.5096, 0.3326, 0.1606



1.4170, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 77.1796, 0.2371, 0.3206 looks on a white background.

Color Contrast Check

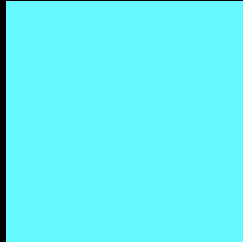
Large Text (above 18pt) WCAG AA × Fail

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 77.1796, 0.2371, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

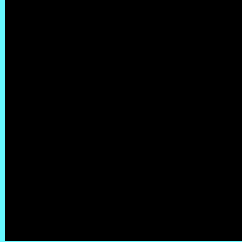
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1796, 0.2371, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 77.1796, 0.2371, 0.3206.

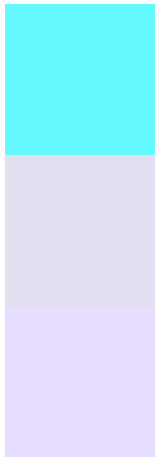


This preview shows how white text looks on a background with the Yxy color 77.1796, 0.2371, 0.3206.

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

77.1796, 0.2371, 0.3206

Protanopia

75.7713, 0.3039, 0.3122

Deuteranopia

75.7559, 0.2973, 0.2942



Tritanopia

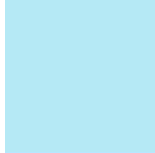
76.4102, 0.2552, 0.3119

Trichromacy



Original Color

77.1796, 0.2371, 0.3206



Protanomaly

74.6942, 0.2732, 0.3155



Deuteranomaly

74.4391, 0.2688, 0.3025



Tritanomaly

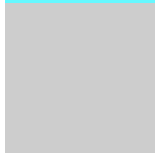
76.4721, 0.2475, 0.3150

Monochromacy



Original Color

77.1796, 0.2371, 0.3206



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.2561, 0.2757, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1796, 0.2371, 0.3206 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(102, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 248, 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(102, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.1796, 0.2371, 0.3206 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(102, 248, 255) }
```

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

```
.border{ border-color:rgb(102, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1796, 0.2371, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 248, 255) }
```

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

```
.background{ background-color: rgb(102,  
248, 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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