

Converting Colors

$Yxy(77.3211, 0.2438, 0.3233)$

Have a look what the booklet for
Yxy(77.3211, 0.2438, 0.3233)
contains.

Yxy(77.4717, 0.2436, 0.3230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.4717, 0.2436, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	77F7FC
RGB	119, 247, 252
RGB Percent	47%, 97%, 99%
CMY	0.5336, 0.0313, 0.0118
CMYK	0.53, 0.02, 0.00, 0.01
HSL	182°, 96%, 73%
HSV	182°, 53%, 99%
XYZ	58.4276, 77.4717, 103.9512
YIQ	209.2980, -77.8930, -25.5810

Conversions

Conversions Part 2

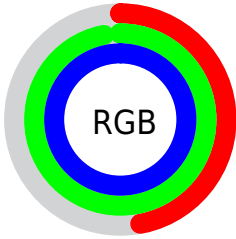
Format	Color
RYB	119, 184, 252
Decimal	7862268
CIELab	90.54, -34.08, -13.25
CIElCh	91, 36.563, 201.242
Yxy	77.4717, 0.2436, 0.3230
Android (android.graphics.Color)	4286052348 (0xFF77F7FC)
YUV	209.2980, 21.0521, -79.1913
Hunter-Lab	88.0180, -35.5407, -8.4102

Details

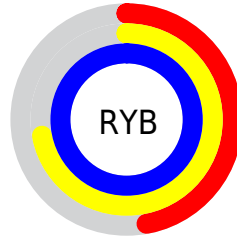
The Yxy color **77.4717, 0.2436, 0.3230** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.4077, 0.4654, 0.3345**, and the grayscale version is **63.8511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **41.4200, 0.2289, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **75.3499, 0.2354, 0.3217**, and if you desaturate by 10%, it is **80.0747, 0.2537, 0.3243**.

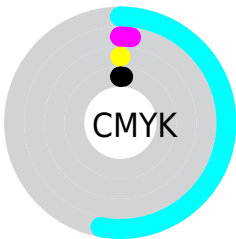
Distribution



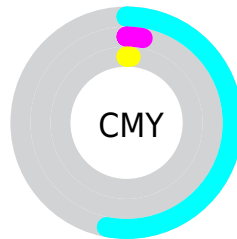
- Red (47%)
- Green (97%)
- Blue (99%)



- Red (47%)
- Yellow (72%)
- Blue (99%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)





- Cyan (53%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4717, 0.2436, 0.3230 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 77.4717, 0.2436, 0.3230 by changing the saturation by 10% instead.


 77.4717, 0.2436,
0.3230

 77.4717, 0.2436,
0.3230


486.3708, 0.2744,
0.3266


 57.6401, 0.2368,
0.3220


 129.8051, 0.2541,
0.3244

 41.5194, 0.2287,
0.3207


 163.0757, 0.2582,
0.3249

 28.7251, 0.2185,
0.3189


 201.5948, 0.2618,
0.3253

 18.8730, 0.2057,
0.3163

245.7467, 0.2650,
0.3257

 11.5785, 0.1890,
0.3124

295.9159, 0.2677,
0.3259

 6.4574, 0.1665,
0.3062

352.4867, 0.2702,

 3.1251, 0.1350,

0.3262

0.2952

415.8435, 0.2724,
0.3264

■ 1.1974, 0.0649,
0.2804

■ 0.0596, 0.0000,
0.0567

■ 77.4717, 0.2436,
0.3230

■ 77.4717, 0.2436,
0.3230

■ 75.3499, 0.2354,
0.3217

■ 80.0747, 0.2537,
0.3243

■ 73.6622, 0.2292,
0.3205

■ 83.1841, 0.2654,
0.3255

■ 72.3672, 0.2249,
0.3192

■ 86.8337, 0.2787,
0.3266


■ 71.4116, 0.2224,
0.3180


■ 91.0521, 0.2931,
0.3277

 70.8772, 0.2214,
0.3171

 95.8657, 0.3083,
0.3287

 98.3204, 0.3146,
0.3297

 98.9143, 0.3145,
0.3305

 99.5111, 0.3145,
0.3314

 99.8070, 0.3145,
0.3319

Harmonies

Analogous

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



77.4717, 0.2717, 0.3655



77.4717, 0.2436, 0.3230



77.4717, 0.2333, 0.2862

Triad

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



77.4717, 0.2436, 0.3230



77.4717, 0.3088, 0.2712



77.4717, 0.3865, 0.3922

Complementary

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



77.4717, 0.2436, 0.3230



36.4077, 0.4654, 0.3345

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.



77.4717, 0.3990, 0.3628



77.4717, 0.2436, 0.3230



77.4717, 0.3526, 0.2955

Square

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



77.4717, 0.2436, 0.3230



77.4717, 0.2689, 0.2598



77.4717, 0.3865, 0.3281



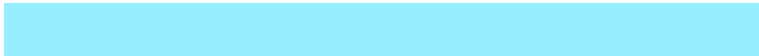
77.4717, 0.3541, 0.4067

Rectangle

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



77.4717, 0.2436, 0.3230



77.4717, 0.2372, 0.2698



77.4717, 0.3865, 0.3281



77.4717, 0.3933, 0.3835

Sweetspot

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



77.4747, 0.2436, 0.3230



92.0990, 0.2883, 0.3274



74.9632, 0.3029, 0.4936



19.5199, 0.2854, 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.



77.4747, 0.2436, 0.3230



77.3742, 0.2352, 0.3217



43.9968, 0.2265, 0.2390



19.4910, 0.2980, 0.3281



36.9783, 0.2215, 0.3173



3.4585, 0.2219, 0.3188

Inverse Universe

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



40.5826, 0.3231, 0.2064



36.1678, 0.3251, 0.1885



58.7987, 0.4232, 0.4023



17.5127, 0.3144, 0.3065



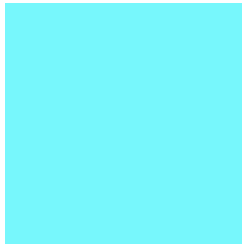
14.1439, 0.3305, 0.1594



1.3134, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 77.4717, 0.2436, 0.3230 looks on a white background.

Color Contrast Check

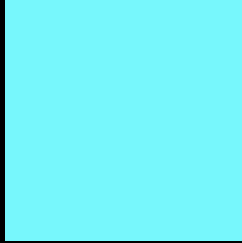
Large Text (above 18pt) WCAG AA × Fail

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 77.4717, 0.2436, 0.3230 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 77.4717, 0.2436, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 77.4717, 0.2436, 0.3230.

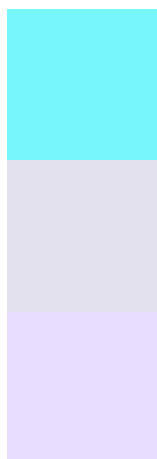


This preview shows how white text looks on a background with the Yxy color 77.4717, 0.2436, 0.3230.

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

77.4717, 0.2436, 0.3230

Protanopia

76.3544, 0.3058, 0.3154

Deuteranopia

76.2565, 0.2993, 0.2944



Tritanopia

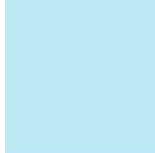
77.0138, 0.2581, 0.3120

Trichromacy



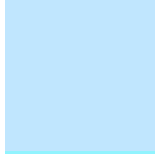
Original Color

77.4717, 0.2436, 0.3230



Protanomaly

75.4403, 0.2783, 0.3178



Deuteranomaly

74.9559, 0.2744, 0.3028



Tritanomaly

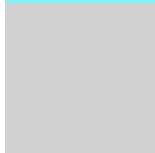
77.2767, 0.2522, 0.3163

Monochromacy



Original Color

77.4717, 0.2436, 0.3230



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.4417, 0.2803, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4717, 0.2436, 0.3230 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, 247, 252)` looks like.

```
.text, #text, p{  
    color:rgb(119, 247, 252)  
}
```

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, 247, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 247, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.4717, 0.2436, 0.3230 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, 247, 252) }
```

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

```
.border{ border-color:rgb(119, 247, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 247, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 247, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 247, 252);  
box-shadow:4px 4px 4px 4px rgb(119, 247,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4717, 0.2436, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 247, 252) }
```

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

```
.background{ background-color: rgb(119,  
247, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor