

Converting Colors

$Yxy(80.8808, 0.2433, 0.3417)$

Have a look what the booklet for
Yxy(80.8808, 0.2433, 0.3417)
contains.

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Color

Yxy(80.8764, 0.2433, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	66FFF4
RGB	102, 255, 244
RGB Percent	40%, 100%, 96%
CMY	0.6000, 0.0000, 0.0431
CMYK	0.60, 0.00, 0.04, 0.00
HSL	176°, 100%, 70%
HSV	176°, 60%, 100%
XYZ	57.5694, 80.8764, 98.1733
YIQ	207.9990, -87.6570, -35.8570

Conversions

Conversions Part 2

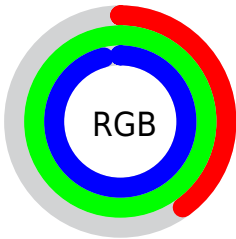
Format	Color
RYB	102, 181, 255
Decimal	6750196
CIELab	92.08, -42.80, -6.88
CIELCh	92, 43.350, 189.127
Yxy	80.8764, 0.2433, 0.3418
Android (android.graphics.Color)	4284940276 (0xFF66FFF4)
YUV	207.9990, 17.7485, -92.9611
Hunter-Lab	89.9313, -43.1132, -1.7718

Details

The Yxy color **80.8764, 0.2433, 0.3418** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.9549, 0.4891, 0.3191**, and the grayscale version is **63.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.0190, 0.2290, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **79.4988, 0.2374, 0.3442**, and if you desaturate by 10%, it is **82.7148, 0.2511, 0.3394**.

Distribution



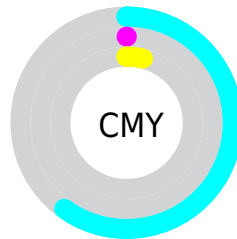
- Red (40%)
- Green (100%)
- Blue (96%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8764, 0.2433, 0.3418 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 80.8764, 0.2433, 0.3418 by changing the saturation by 10% instead.


 80.8764, 0.2433,
0.3418

 80.8764, 0.2433,
0.3418

497.8815, 0.2742,
0.3366


 60.4398, 0.2365,
0.3428


 134.5972, 0.2538,
0.3402

 43.7732, 0.2283,
0.3439


 168.6502, 0.2579,
0.3395

 30.4923, 0.2182,
0.3453


 208.0108, 0.2615,
0.3389

 20.2125, 0.2054,
0.3468

253.0634, 0.2647,
0.3383

 12.5496, 0.1887,
0.3484

304.1923, 0.2675,
0.3378

 7.1192, 0.1661,
0.3499

361.7821, 0.2700,

 3.5367, 0.1346,

0.3374

0.3506

426.2170, 0.2722,
0.3370

■ 1.4180, 0.0573,
0.3596

■ 0.2299, 0.0000,
0.2392

■ 80.8764, 0.2433,
0.3418

■ 80.8764, 0.2433,
0.3418

■ 79.4988, 0.2374,
0.3442

■ 82.7148, 0.2511,
0.3394

■ 78.5360, 0.2336,
0.3467

■ 85.0496, 0.2607,
0.3371


■ 77.9367, 0.2315,
0.3491

■ 87.9155, 0.2720,
0.3348

■ 77.6162, 0.2310,
0.3515

■ 91.3438, 0.2846,
0.3327

 77.6162, 0.2310,
0.3515

 95.3632, 0.2983,
0.3308

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.



80.8764, 0.2822, 0.3901



80.8764, 0.2433, 0.3418



80.8764, 0.2232, 0.2940

Triad

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



80.8764, 0.2433, 0.3418



80.8764, 0.2878, 0.2552



80.8764, 0.4078, 0.3891

Complementary

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



80.8764, 0.2433, 0.3418



31.9549, 0.4891, 0.3191

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.



80.8764, 0.4114, 0.3512



80.8764, 0.2433, 0.3418



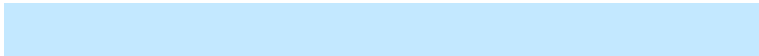
80.8764, 0.3387, 0.2775

Square

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



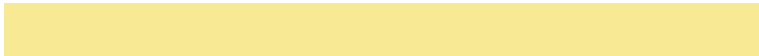
80.8764, 0.2433, 0.3418



80.8764, 0.2472, 0.2489



80.8764, 0.3854, 0.3115



80.8764, 0.3777, 0.4155

Rectangle

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



80.8764, 0.2433, 0.3418



80.8764, 0.2218, 0.2702



80.8764, 0.3854, 0.3115



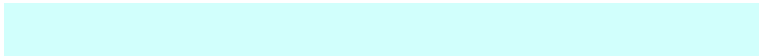
80.8764, 0.4123, 0.3772

Sweetspot

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



80.8773, 0.2433, 0.3418



92.0994, 0.2872, 0.3323



76.1073, 0.3092, 0.5206



19.4794, 0.2834, 0.3329



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.



80.8773, 0.2433, 0.3418



79.2745, 0.2365, 0.3447



47.4157, 0.2208, 0.2480



20.4576, 0.2990, 0.3307



40.5657, 0.2309, 0.3511



3.9562, 0.2301, 0.3484

Inverse Universe

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



31.9549, 0.4891, 0.3191



26.4668, 0.5449, 0.3195



49.4011, 0.4552, 0.3929



18.0082, 0.3283, 0.3273



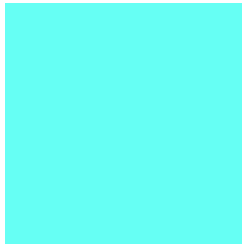
11.1398, 0.6327, 0.3259



1.0917, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 80.8764, 0.2433, 0.3418 looks on a white background.

Color Contrast Check

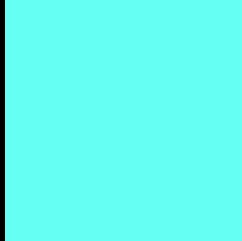
Large Text (above 18pt) WCAG AA × Fail

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 80.8764, 0.2433, 0.3418 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 80.8764, 0.2433, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 80.8764, 0.2433, 0.3418.

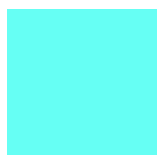


This preview shows how white text looks on a background with the Yxy color 80.8764, 0.2433, 0.3418.

Color Blindness Simulation

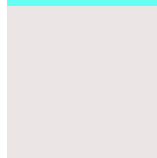
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



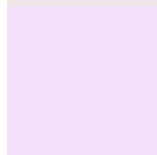
Original Color

80.8764, 0.2433, 0.3418



Protanopia

79.3579, 0.3168, 0.3290



Deuteranopia

79.5094, 0.3092, 0.3021



Tritanopia

80.4351, 0.2660, 0.3157

Trichromacy



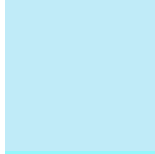
Original Color

80.8764, 0.2433, 0.3418



Protanomaly

77.6544, 0.2830, 0.3334



Deuteranomaly

77.4004, 0.2781, 0.3147



Tritanomaly

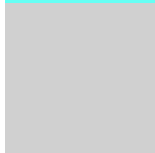
79.7825, 0.2556, 0.3243

Monochromacy



Original Color

80.8764, 0.2433, 0.3418



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5059, 0.2785, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8764, 0.2433, 0.3418 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.8764, 0.2433, 0.3418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

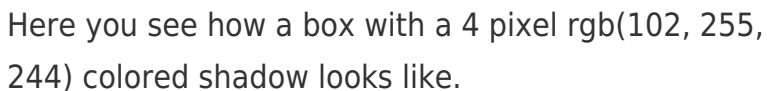
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 244) }
```

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

```
.border{ border-color:rgb(102, 255, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8764, 0.2433, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 244) }
```

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

```
.background{ background-color: rgb(102,  
255, 244) }
```

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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