

Converting Colors

Yxy(80.7044, 0.2391, 0.3298)

Have a look what the booklet for
Yxy(80.7044, 0.2391, 0.3298)
contains.

Yxy(80.7422, 0.2392, 0.3300)	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(80.7422, 0.2392, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	65FEFD
RGB	101, 254, 253
RGB Percent	40%, 100%, 99%
CMY	0.6043, 0.0039, 0.0079
CMYK	0.60, 0.00, 0.00, 0.00
HSL	180°, 99%, 70%
HSV	180°, 60%, 100%
XYZ	58.5259, 80.7422, 105.4053
YIQ	208.1390, -90.8670, -32.7470

Conversions

Conversions Part 2

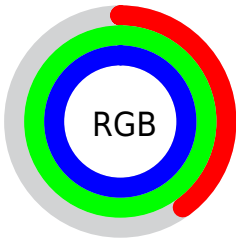
Format	Color
RYB	101, 178, 254
Decimal	6684413
CIELab	92.02, -40.21, -11.61
CIELCh	92, 41.857, 196.106
Yxy	80.7422, 0.2392, 0.3300
Android (android.graphics.Color)	4284874493 (0xFF65FEFD)
YUV	208.1390, 22.1165, -93.9609
Hunter-Lab	89.8567, -40.9877, -6.6498

Details

The Yxy color **80.7422, 0.2392, 0.3300** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.3204, 0.5027, 0.3286**, and the grayscale version is **63.0534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.9180, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **79.4893, 0.2330, 0.3302**, and if you desaturate by 10%, it is **82.4540, 0.2474, 0.3298**.

Distribution



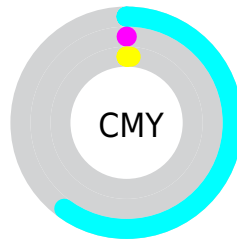
- Red (40%)
- Green (100%)
- Blue (99%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



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




- Cyan (60%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7422, 0.2392, 0.3300 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 80.7422, 0.2392, 0.3300 by changing the saturation by 10% instead.

 80.7422, 0.2392,
0.3300


 80.7422, 0.2392,
0.3300

497.4306, 0.2718,
0.3305

 60.3293, 0.2321,
0.3297


 134.4087, 0.2502,
0.3303

 43.6841, 0.2236,
0.3292


 168.4311, 0.2546,
0.3304

 30.4222, 0.2131,
0.3285


 207.7588, 0.2584,
0.3305

 20.1593, 0.1998,
0.3272

252.7762, 0.2617,
0.3305

 12.5109, 0.1826,
0.3252

303.8677, 0.2646,
0.3305

 7.0926, 0.1598,
0.3214

361.4177, 0.2673,

 3.5201, 0.1282,

0.3305

425.8105, 0.2696,
0.3305

0.3140

1.4089, 0.0612,
0.3050

0.2233, 0.0000,
0.1743

80.7422, 0.2392,
0.3300

80.7422, 0.2392,
0.3300

79.4893, 0.2330,
0.3302

82.4540, 0.2474,
0.3298

78.6428, 0.2287,
0.3304


84.6533, 0.2575,
0.3296

78.1541, 0.2263,
0.3306


87.3770, 0.2692,
0.3294

77.9405, 0.2252,
0.3308

90.6560, 0.2825,
0.3293

 94.5187, 0.2970,
0.3291

 98.9917, 0.3123,
0.3290

 99.3217, 0.3132,
0.3288

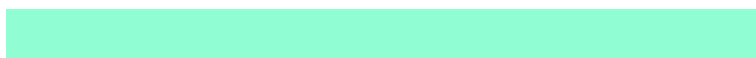
 99.3328, 0.3131,
0.3287

 99.3439, 0.3130,
0.3285

Harmonies

Analogous

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



80.7422, 0.2733, 0.3781



80.7422, 0.2392, 0.3300



80.7422, 0.2244, 0.2864

Triad

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



80.7422, 0.2392, 0.3300



80.7422, 0.2997, 0.2612



80.7422, 0.4000, 0.3947

Complementary

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



80.7422, 0.2392, 0.3300



31.3204, 0.5027, 0.3286

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.



80.7422, 0.4098, 0.3597



80.7422, 0.2392, 0.3300



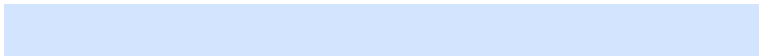
80.7422, 0.3494, 0.2860

Square

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



80.7422, 0.2392, 0.3300



80.7422, 0.2571, 0.2512



80.7422, 0.3911, 0.3209



80.7422, 0.3662, 0.4156

Rectangle

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



80.7422, 0.2392, 0.3300



80.7422, 0.2263, 0.2661



80.7422, 0.3911, 0.3209



80.7422, 0.4063, 0.3840

Sweetspot

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



80.7453, 0.2392, 0.3300



92.2898, 0.2857, 0.3292



74.7422, 0.3046, 0.5241



19.5267, 0.2816, 0.3293



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.



80.7453, 0.2392, 0.3300



80.0145, 0.2321, 0.3302



42.5648, 0.2174, 0.2338



20.4792, 0.2981, 0.3291



41.0862, 0.2252, 0.3308



4.0011, 0.2252, 0.3306

Inverse Universe

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



31.3204, 0.5027, 0.3286



26.2939, 0.5591, 0.3288



52.6354, 0.4484, 0.4032



17.9891, 0.3294, 0.3289



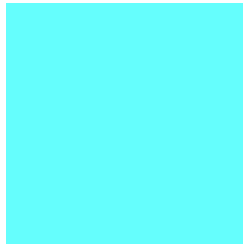
11.1117, 0.6394, 0.3296



1.0826, 0.6377, 0.3287

Previews

White Background



This preview shows how the Yxy color 80.7422, 0.2392, 0.3300 looks on a white background.

Color Contrast Check

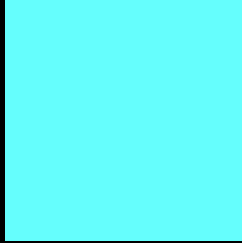
Large Text (above 18pt) WCAG AA × Fail

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 80.7422, 0.2392, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

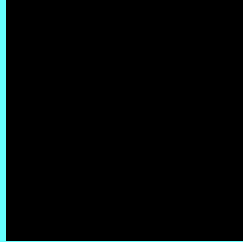
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7422, 0.2392, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 80.7422, 0.2392, 0.3300.

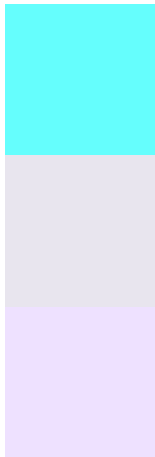


This preview shows how white text looks on a background with the Yxy color 80.7422, 0.2392, 0.3300.

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

80.7422, 0.2392, 0.3300

Protanopia

79.3675, 0.3091, 0.3197

Deuteranopia

79.2476, 0.3026, 0.2989



Tritanopia

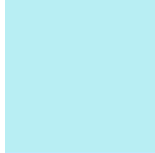
80.2054, 0.2650, 0.3157

Trichromacy



Original Color

80.7422, 0.2392, 0.3300



Protanomaly

77.8105, 0.2764, 0.3234



Deuteranomaly

77.8380, 0.2727, 0.3093



Tritanomaly

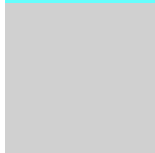
79.8803, 0.2538, 0.3209

Monochromacy



Original Color

80.7422, 0.2392, 0.3300



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.6673, 0.2768, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7422, 0.2392, 0.3300 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(101, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 253)  
}
```

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(101, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.7422, 0.2392, 0.3300 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(101, 254, 253) }
```

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

```
.border{ border-color:rgb(101, 254, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 254, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7422, 0.2392, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 254, 253) }
```

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

```
.background{ background-color: rgb(101,  
254, 253) }
```

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