

Converting Colors

$Yxy(82.3447, 0.2320, 0.2997)$

Have a look what the booklet for
Yxy(82.3447, 0.2320, 0.2997)
contains.

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Color

Yxy(80.8501, 0.2412, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	6FFDFF
RGB	111, 253, 255
RGB Percent	44%, 99%, 100%
CMY	0.5647, 0.0078, 0.0001
CMYK	0.56, 0.01, 0.00, 0.00
HSL	181°, 100%, 72%
HSV	181°, 56%, 100%
XYZ	59.7275, 80.8501, 107.0490
YIQ	210.7700, -85.2740, -29.4820

Conversions

Conversions Part 2

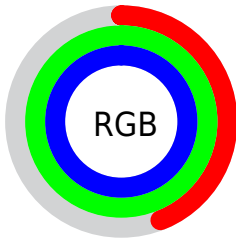
Format	Color
RYB	111, 182, 255
Decimal	7339519
CIELab	92.06, -37.53, -12.55
CIELCh	92, 39.573, 198.493
Yxy	80.8501, 0.2412, 0.3265
Android (android.graphics.Color)	4285529599 (0xFF6FFDFF)
YUV	210.7700, 21.8054, -87.4983
Hunter-Lab	89.9167, -38.7848, -7.6452

Details

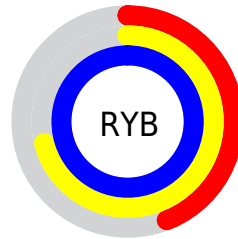
The Yxy color **80.8501, 0.2412, 0.3265** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.2088, 0.4845, 0.3314**, and the grayscale version is **64.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **43.8183, 0.2263, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **79.2079, 0.2340, 0.3260**, and if you desaturate by 10%, it is **82.9708, 0.2503, 0.3270**.

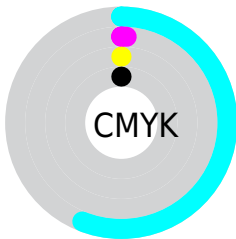
Distribution



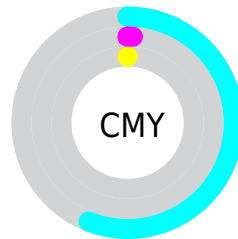
- Red (44%)
- Green (99%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8501, 0.2412, 0.3265 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 80.8501, 0.2412, 0.3265 by changing the saturation by 10% instead.

 80.8501, 0.2412,
0.3265

 80.8501, 0.2412,
0.3265


497.7931, 0.2729,
0.3285


 60.4181, 0.2343,
0.3259


 134.5603, 0.2519,
0.3274

 43.7558, 0.2260,
0.3250


 168.6073, 0.2561,
0.3276

 30.4785, 0.2158,
0.3237


 207.9614, 0.2598,
0.3279

 20.2021, 0.2029,
0.3218

253.0071, 0.2631,
0.3281

 12.5420, 0.1862,
0.3189

304.1287, 0.2659,
0.3282

 7.1140, 0.1639,
0.3141


361.7107, 0.2685,


 3.5335, 0.1331,


0.3283


0.3052


426.1373, 0.2708,
0.3284


 1.4162, 0.0729,
0.2920


 0.2286, 0.0000,
0.1676

 80.8501, 0.2412,
0.3265


 80.8501, 0.2412,
0.3265


 79.2079, 0.2340,
0.3260


 82.9708, 0.2503,
0.3270

 77.9935, 0.2288,
0.3256


 85.5972, 0.2613,
0.3274

 77.1616, 0.2255,
0.3251

 88.7654, 0.2738,
0.3279

 76.6516, 0.2238,
0.3247

 92.5054, 0.2877,
0.3283

 76.5160, 0.2235,
0.3245

 96.8453, 0.3026,
0.3288

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



80.8501, 0.2724, 0.3720



80.8501, 0.2412, 0.3265



80.8501, 0.2286, 0.2862

Triad

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



80.8501, 0.2412, 0.3265



80.8501, 0.3042, 0.2660



80.8501, 0.3935, 0.3937

Complementary

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



80.8501, 0.2412, 0.3265



34.2088, 0.4845, 0.3314

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.



80.8501, 0.4047, 0.3613



80.8501, 0.2412, 0.3265



80.8501, 0.3511, 0.2906

Square

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



80.8501, 0.2412, 0.3265



80.8501, 0.2628, 0.2553



80.8501, 0.3890, 0.3244



80.8501, 0.3603, 0.4115

Rectangle

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



80.8501, 0.2412, 0.3265



80.8501, 0.2315, 0.2678



80.8501, 0.3890, 0.3244



80.8501, 0.4001, 0.3839

Sweetspot

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



80.8532, 0.2412, 0.3265



92.3062, 0.2869, 0.3283



76.0358, 0.3041, 0.5119



19.5877, 0.2841, 0.3282



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.



80.8532, 0.2412, 0.3265



79.0075, 0.2331, 0.3260



44.4613, 0.2221, 0.2378



20.4361, 0.2980, 0.3286



40.0071, 0.2235, 0.3246



3.9085, 0.2236, 0.3251

Inverse Universe

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



39.7175, 0.3207, 0.1971



34.3021, 0.3221, 0.1785



56.2674, 0.4360, 0.4020



18.2958, 0.3140, 0.3059



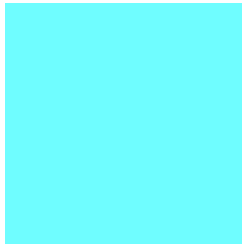
14.7667, 0.3244, 0.1561



1.4391, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 80.8501, 0.2412, 0.3265 looks on a white background.

Color Contrast Check

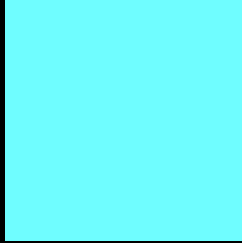
Large Text (above 18pt) WCAG AA × Fail

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 80.8501, 0.2412, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

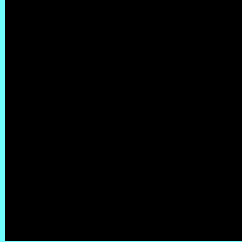
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

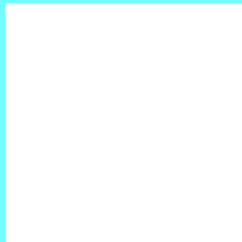
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8501, 0.2412, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 80.8501, 0.2412, 0.3265.

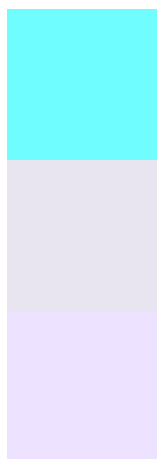


This preview shows how white text looks on a background with the Yxy color 80.8501, 0.2412, 0.3265.

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

80.8501, 0.2412, 0.3265

Protanopia

79.4857, 0.3078, 0.3176

Deuteranopia

79.6172, 0.3019, 0.2998



Tritanopia

79.9544, 0.2664, 0.3146

Trichromacy



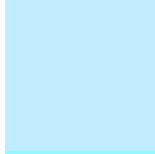
Original Color

80.8501, 0.2412, 0.3265



Protanomaly

78.4330, 0.2776, 0.3212



Deuteranomaly

78.2873, 0.2739, 0.3084



Tritanomaly

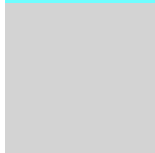
79.8069, 0.2554, 0.3187

Monochromacy



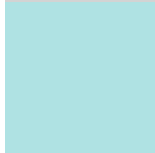
Original Color

80.8501, 0.2412, 0.3265



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.0527, 0.2788, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8501, 0.2412, 0.3265 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(111, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 253, 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(111, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8501, 0.2412, 0.3265 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(111, 253, 255) }
```

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

```
.border{ border-color:rgb(111, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8501, 0.2412, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 253, 255) }
```

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

```
.background{ background-color: rgb(111,  
253, 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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