

Converting Colors

$Yxy(80.2814, 0.2385, 0.3264)$

Have a look what the booklet for
Yxy(80.2814, 0.2385, 0.3264)
contains.

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Color

Yxy(80.2953, 0.2385, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	66FDFF
RGB	102, 253, 255
RGB Percent	40%, 99%, 100%
CMY	0.5998, 0.0078, 0.0002
CMYK	0.60, 0.01, 0.00, 0.00
HSL	181°, 100%, 70%
HSV	181°, 60%, 100%
XYZ	58.6537, 80.2953, 106.9784
YIQ	208.0790, -90.6380, -31.3900

Conversions

Conversions Part 2

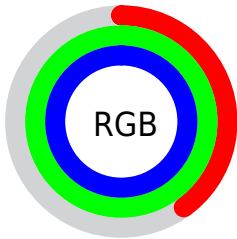
Format	Color
RYB	102, 178, 255
Decimal	6749695
CIELab	91.82, -39.04, -12.94
CIELCh	92, 41.131, 198.330
Yxy	80.2953, 0.2385, 0.3265
Android (android.graphics.Color)	4284939775 (0xFF66FDFF)
YUV	208.0790, 23.1321, -93.0313
Hunter-Lab	89.6076, -39.9742, -8.0582

Details

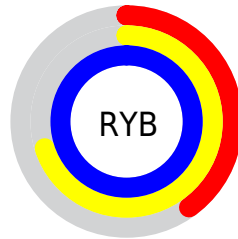
The Yxy color **80.2953, 0.2385, 0.3265** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1167, 0.5012, 0.3314**, and the grayscale version is **63.0320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **78.8241, 0.2320, 0.3261**, and if you desaturate by 10%, it is **82.2310, 0.2469, 0.3269**.

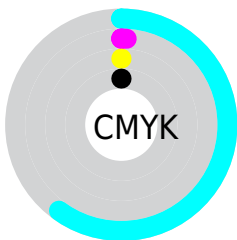
Distribution



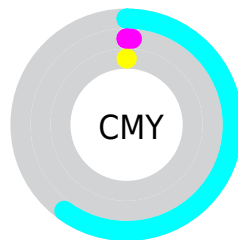
- Red (40%)
- Green (99%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2953, 0.2385, 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 80.2953, 0.2385, 0.3265 by changing the saturation by 10% instead.


 80.2953, 0.2385,
0.3265

 80.2953, 0.2385,
0.3265


495.9275, 0.2714,
0.3286


 59.9614, 0.2314,
0.3258


 133.7808, 0.2496,
0.3274

 43.3875, 0.2228,
0.3249


 167.7012, 0.2540,
0.3277

 30.1893, 0.2121,
0.3235


 206.9193, 0.2578,
0.3279

 19.9823, 0.1988,
0.3216

251.8193, 0.2612,
0.3281

 12.3822, 0.1815,
0.3185

302.7857, 0.2642,
0.3283

 7.0045, 0.1586,
0.3133


360.2030, 0.2668,

 3.4649, 0.1270,

0.3284

0.3038


424.4554, 0.2692,
0.3285


 1.3790, 0.0612,
0.2908


 0.2012, 0.0000,
0.1509


 80.2953, 0.2385,
0.3265


 80.2953, 0.2385,
0.3265


 78.8241, 0.2320,
0.3261


 82.2310, 0.2469,
0.3269

 77.7646, 0.2275,
0.3256

 84.6599, 0.2573,
0.3274


 77.0680, 0.2248,
0.3252

 87.6192, 0.2693,
0.3278

 76.6498, 0.2236,
0.3248

 91.1400, 0.2827,
0.3282

 76.6487, 0.2236,
0.3248

 95.2508, 0.2973,
0.3286

99.9715, 0.3127,
0.3290

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



80.2953, 0.2709, 0.3741



80.2953, 0.2385, 0.3265



80.2953, 0.2254, 0.2845

Triad

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



80.2953, 0.2385, 0.3265



80.2953, 0.3035, 0.2635



80.2953, 0.3969, 0.3959

Complementary

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



80.2953, 0.2385, 0.3265



32.1167, 0.5012, 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.



80.2953, 0.4086, 0.3621



80.2953, 0.2385, 0.3265



80.2953, 0.3524, 0.2889

Square

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



80.2953, 0.2385, 0.3265



80.2953, 0.2605, 0.2525



80.2953, 0.3921, 0.3239



80.2953, 0.3624, 0.4149

Rectangle

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



80.2953, 0.2385, 0.3265



80.2953, 0.2283, 0.2654



80.2953, 0.3921, 0.3239



80.2953, 0.4037, 0.3857

Sweetspot

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



80.2984, 0.2385, 0.3265



91.9360, 0.2855, 0.3283



75.2824, 0.3036, 0.5238



19.4387, 0.2814, 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.



80.2984, 0.2385, 0.3265



78.6059, 0.2310, 0.3260



42.0898, 0.2170, 0.2309



20.4392, 0.2980, 0.3287



40.0837, 0.2236, 0.3249



3.9151, 0.2237, 0.3253

Inverse Universe

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



37.8590, 0.3210, 0.1908



32.8872, 0.3223, 0.1732



54.2568, 0.4457, 0.4054



18.2961, 0.3140, 0.3059



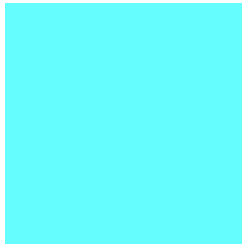
14.7744, 0.3241, 0.1559



1.4398, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 80.2953, 0.2385, 0.3265 looks on a white background.

Color Contrast Check

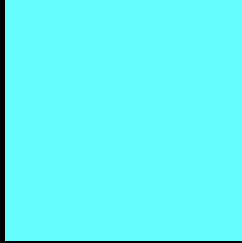
Large Text (above 18pt) WCAG AA × Fail

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 80.2953, 0.2385, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

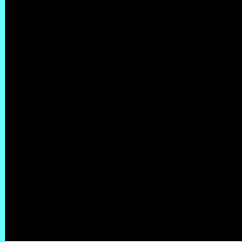
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2953, 0.2385, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 80.2953, 0.2385, 0.3265.

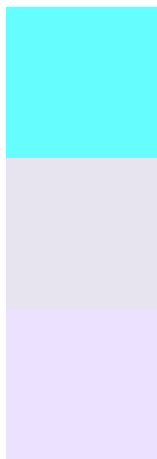


This preview shows how white text looks on a background with the Yxy color 80.2953, 0.2385, 0.3265.

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

80.2953, 0.2385, 0.3265

Protanopia

78.7670, 0.3072, 0.3166

Deuteranopia

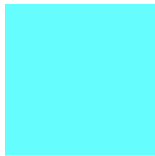
78.9033, 0.3013, 0.2987



Tritanopia

79.3822, 0.2639, 0.3145

Trichromacy



Original Color

80.2953, 0.2385, 0.3265



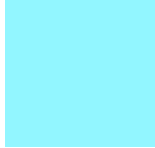
Protanomaly

77.3513, 0.2753, 0.3200



Deuteranomaly

77.2015, 0.2715, 0.3071



Tritanomaly

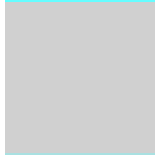
79.2425, 0.2528, 0.3186

Monochromacy



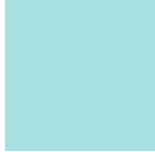
Original Color

80.2953, 0.2385, 0.3265



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.1826, 0.2761, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2953, 0.2385, 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(102, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.2953, 0.2385, 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(102, 253, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2953, 0.2385, 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(102, 253, 255) }
```

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

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