

Converting Colors

$Y_{xy}(80.1820, 0.2333, 0.3309)$

Have a look what the booklet for
Yxy(80.1820, 0.2333, 0.3309)
contains.

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Color

Yxy(80.1483, 0.2333, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFFD
RGB	76, 255, 253
RGB Percent	30%, 100%, 99%
CMY	0.7019, 0.0000, 0.0077
CMYK	0.70, 0.00, 0.01, 0.00
HSL	179°, 100%, 65%
HSV	179°, 70%, 100%
XYZ	56.4742, 80.1483, 105.4443
YIQ	201.2510, -106.0420, -38.5700

Conversions

Conversions Part 2

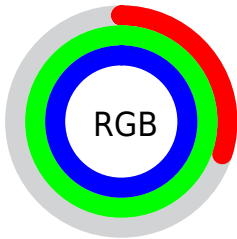
Format	Color
RYB	76, 166, 255
Decimal	5046269
CIELab	91.75, -44.10, -12.09
CIELCh	92, 45.728, 195.336
Yxy	80.1483, 0.2333, 0.3311
Android (android.graphics.Color)	4283236349 (0xFF4CFFFD)
YUV	201.2510, 25.5123, -109.8451
Hunter-Lab	89.5256, -44.0691, -7.1645

Details

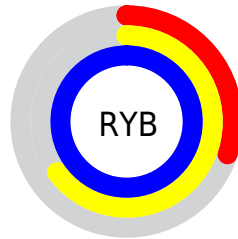
The Yxy color **80.1483, 0.2333, 0.3311** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.9821, 0.5498, 0.3282**, and the grayscale version is **58.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **44.3737, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **79.2872, 0.2290, 0.3315**, and if you desaturate by 10%, it is **81.4286, 0.2395, 0.3308**.

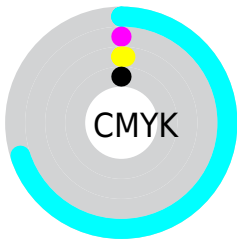
Distribution



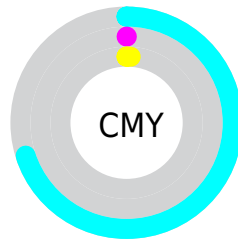
- Red (30%)
- Green (100%)
- Blue (99%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1483, 0.2333, 0.3311 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 80.1483, 0.2333, 0.3311 by changing the saturation by 10% instead.

 80.1483, 0.2333,
0.3311


 80.1483, 0.2333,
0.3311


495.4325, 0.2684,
0.3312

 59.8404, 0.2257,
0.3308


 133.5742, 0.2452,
0.3313

 43.2900, 0.2165,
0.3304


 167.4610, 0.2499,
0.3314

 30.1127, 0.2052,
0.3297


 206.6429, 0.2540,
0.3314

 19.9242, 0.1910,
0.3284

 251.5043, 0.2576,
0.3314

 12.3399, 0.1728,
0.3262

302.4295, 0.2607,
0.3313

 6.9756, 0.1486,
0.3222


359.8030, 0.2636,


 3.4469, 0.1157,

0.3313

0.3141

424.0092, 0.2661,
0.3312


 1.3692, 0.0359,
0.3070


 0.1939, 0.0000,
0.1547


 80.1483, 0.2333,
0.3311


 80.1483, 0.2333,
0.3311


 79.2872, 0.2290,
0.3315


 81.4286, 0.2395,
0.3308

 78.7849, 0.2266,
0.3318

 83.1634, 0.2477,
0.3304

 78.5604, 0.2256,
0.3321

 85.3935, 0.2577,
0.3301

 88.1533, 0.2695,
0.3298

■ 91.4737, 0.2827,
0.3295

■ 95.3835, 0.2971,
0.3292

99.9094, 0.3124,
0.3290

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.



80.1483, 0.2706, 0.3844



80.1483, 0.2333, 0.3311



80.1483, 0.2169, 0.2830

Triad

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



80.1483, 0.2333, 0.3311



80.1483, 0.2969, 0.2550



80.1483, 0.4085, 0.3992

Complementary

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



80.1483, 0.2333, 0.3311



26.9821, 0.5498, 0.3282

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.



80.1483, 0.4190, 0.3606



80.1483, 0.2333, 0.3311



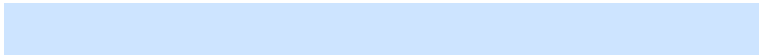
80.1483, 0.3514, 0.2814

Square

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



80.1483, 0.2333, 0.3311



80.1483, 0.2510, 0.2445



80.1483, 0.3977, 0.3187



80.1483, 0.3719, 0.4235

Rectangle

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



80.1483, 0.2333, 0.3311



80.1483, 0.2186, 0.2609



80.1483, 0.3977, 0.3187



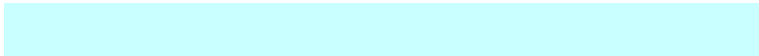
80.1483, 0.4154, 0.3873

Sweetspot

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



80.1511, 0.2333, 0.3311



91.1820, 0.2816, 0.3295



73.7047, 0.3031, 0.5544



19.3109, 0.2779, 0.3296



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.



80.1511, 0.2333, 0.3311



79.0562, 0.2279, 0.3316



36.9457, 0.2043, 0.2149



20.4778, 0.2982, 0.3292



41.0511, 0.2256, 0.3321



3.9981, 0.2255, 0.3317

Inverse Universe

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



26.9821, 0.5498, 0.3282



23.0077, 0.6068, 0.3288



47.8095, 0.4769, 0.4103



17.9903, 0.3293, 0.3288



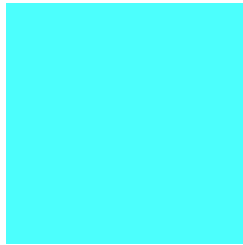
11.1134, 0.6390, 0.3294



1.0832, 0.6363, 0.3279

Previews

White Background



This preview shows how the Yxy color 80.1483, 0.2333, 0.3311 looks on a white background.

Color Contrast Check

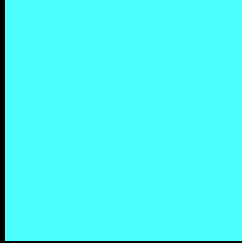
Large Text (above 18pt) WCAG AA × Fail

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 80.1483, 0.2333, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

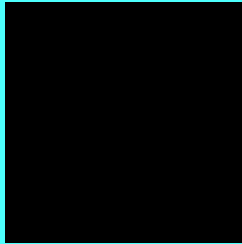
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

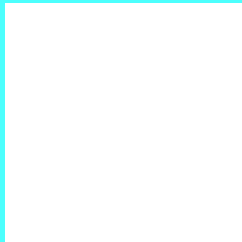
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1483, 0.2333, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 80.1483, 0.2333, 0.3311.

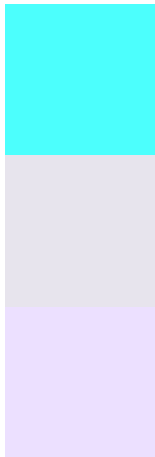


This preview shows how white text looks on a background with the Yxy color 80.1483, 0.2333, 0.3311.

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

80.1483, 0.2333, 0.3311

Protanopia

78.5902, 0.3091, 0.3197

Deuteranopia

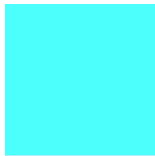
78.3642, 0.3013, 0.2977



Tritanopia

79.5367, 0.2620, 0.3156

Trichromacy



Original Color

80.1483, 0.2333, 0.3311



Protanomaly

76.7341, 0.2714, 0.3233



Deuteranomaly

76.0374, 0.2671, 0.3079



Tritanomaly

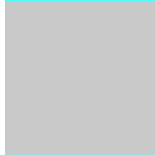
78.7456, 0.2484, 0.3208

Monochromacy



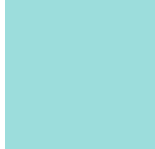
Original Color

80.1483, 0.2333, 0.3311



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.9481, 0.2709, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1483, 0.2333, 0.3311 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(76, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 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(76, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.1483, 0.2333, 0.3311 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(76, 255, 253) }
```

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

```
.border{ border-color:rgb(76, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1483, 0.2333, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 253) }
```

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

```
.background{ background-color: rgb(76, 255,  
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](#).

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