

Converting Colors

$Y_{xy}(80.4694, 0.2351, 0.3314)$

Have a look what the booklet for
Yxy(80.4694, 0.2351, 0.3314)
contains.

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Color

Yxy(80.4967, 0.2351, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	54FFFD
RGB	84, 255, 253
RGB Percent	33%, 100%, 99%
CMY	0.6700, 0.0000, 0.0078
CMYK	0.67, 0.00, 0.01, 0.00
HSL	179°, 100%, 66%
HSV	179°, 67%, 100%
XYZ	57.1573, 80.4967, 105.4650
YIQ	203.6430, -101.2740, -36.8740

Conversions

Conversions Part 2

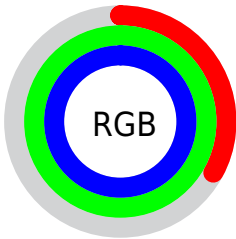
Format	Color
RYB	84, 170, 255
Decimal	5570557
CIELab	91.91, -43.08, -11.84
CIELCh	92, 44.680, 195.364
Yxy	80.4967, 0.2351, 0.3311
Android (android.graphics.Color)	4283760637 (0xFF54FFFD)
YUV	203.6430, 24.3330, -104.9269
Hunter-Lab	89.7200, -43.2941, -6.8909

Details

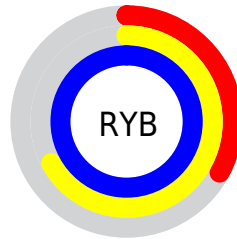
The Yxy color **80.4967, 0.2351, 0.3311** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.2974, 0.5344, 0.3280**, and the grayscale version is **60.0667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **44.3737, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **79.5083, 0.2302, 0.3315**, and if you desaturate by 10%, it is **81.9195, 0.2419, 0.3307**.

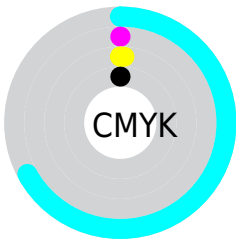
Distribution



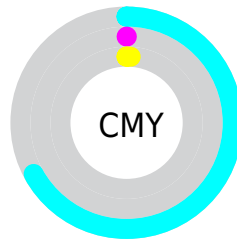
- Red (33%)
- Green (100%)
- Blue (99%)



- Red (33%)
- Yellow (67%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4967, 0.2351, 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 80.4967, 0.2351, 0.3311 by changing the saturation by 10% instead.


 80.4967, 0.2351,
0.3311


 80.4967, 0.2351,
0.3311


496.6052, 0.2694,
0.3312

 60.1272, 0.2277,
0.3309


 134.0638, 0.2467,
0.3313

 43.5211, 0.2187,
0.3305


 168.0302, 0.2513,
0.3313

 30.2942, 0.2076,
0.3298


 207.2977, 0.2553,
0.3313

 20.0620, 0.1937,
0.3286

 252.2507, 0.2588,
0.3313

 12.4401, 0.1758,
0.3266

303.2735, 0.2619,
0.3313

 7.0442, 0.1520,
0.3228


360.7506, 0.2647,


 3.4897, 0.1196,


0.3312


425.0664, 0.2672,
0.3312


0.3151


 1.3924, 0.0444,
0.3076


 0.2111, 0.0000,
0.1660


 80.4967, 0.2351,
0.3311


 80.4967, 0.2351,
0.3311


 79.5083, 0.2302,
0.3315


 81.9195, 0.2419,
0.3307


 78.8961, 0.2272,
0.3318

 83.8091, 0.2507,
0.3304


 78.6009, 0.2259,
0.3322

 86.2054, 0.2613,
0.3301

 78.5458, 0.2256,
0.3323

 89.1414, 0.2736,
0.3297

 92.6475, 0.2872,
0.3294

 96.7516, 0.3019,
0.3292

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



80.4967, 0.2716, 0.3829



80.4967, 0.2351, 0.3311



80.4967, 0.2190, 0.2842

Triad

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



80.4967, 0.2351, 0.3311



80.4967, 0.2974, 0.2566



80.4967, 0.4063, 0.3978

Complementary

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



80.4967, 0.2351, 0.3311



28.2974, 0.5344, 0.3280

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.



80.4967, 0.4164, 0.3601



80.4967, 0.2351, 0.3311



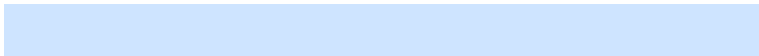
80.4967, 0.3505, 0.2825

Square

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



80.4967, 0.2351, 0.3311



80.4967, 0.2525, 0.2464



80.4967, 0.3956, 0.3191



80.4967, 0.3706, 0.4213

Rectangle

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



80.4967, 0.2351, 0.3311



80.4967, 0.2207, 0.2625



80.4967, 0.3956, 0.3191



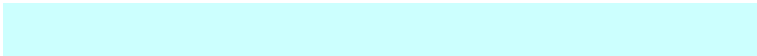
80.4967, 0.4129, 0.3862

Sweetspot

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



80.4997, 0.2351, 0.3311



91.5394, 0.2830, 0.3295



74.1838, 0.3035, 0.5453



19.3802, 0.2792, 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.



80.4997, 0.2351, 0.3311



79.2927, 0.2291, 0.3316



38.7772, 0.2083, 0.2210



20.4776, 0.2982, 0.3292



41.0465, 0.2256, 0.3323



3.9977, 0.2255, 0.3318

Inverse Universe

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



28.2974, 0.5344, 0.3280



23.8880, 0.5924, 0.3285



49.4384, 0.4678, 0.4085



17.9905, 0.3293, 0.3288



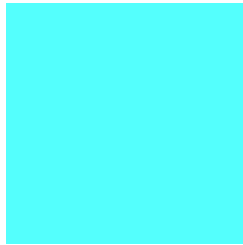
11.1137, 0.6389, 0.3293



1.0832, 0.6361, 0.3278

Previews

White Background



This preview shows how the Yxy color 80.4967, 0.2351, 0.3311 looks on a white background.

Color Contrast Check

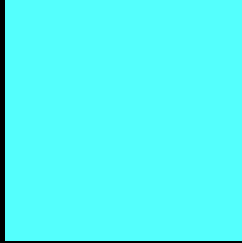
Large Text (above 18pt) WCAG AA × Fail

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 80.4967, 0.2351, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

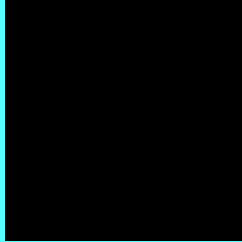
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4967, 0.2351, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 80.4967, 0.2351, 0.3311.



This preview shows how white text looks on a background with the Yxy color 80.4967, 0.2351, 0.3311.

Color Blindness Simulation

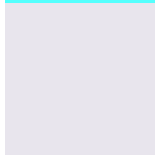
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



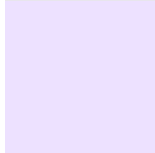
Original Color

80.4967, 0.2351, 0.3311



Protanopia

79.3089, 0.3097, 0.3207



Deuteranopia

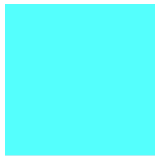
79.0750, 0.3019, 0.2988



Tritanopia

79.8672, 0.2635, 0.3156

Trichromacy



Original Color

80.4967, 0.2351, 0.3311



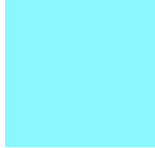
Protanomaly

77.0851, 0.2731, 0.3233



Deuteranomaly

76.9704, 0.2688, 0.3091



Tritanomaly

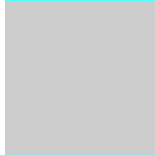
79.1663, 0.2504, 0.3208

Monochromacy



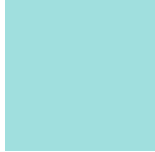
Original Color

80.4967, 0.2351, 0.3311



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.5229, 0.2724, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4967, 0.2351, 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(84, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.4967, 0.2351, 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(84, 255, 253) }
```

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

```
.border{ border-color:rgb(84, 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(84, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4967, 0.2351, 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(84, 255, 253) }
```

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

```
.background{ background-color: rgb(84, 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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