

Converting Colors

$Y_{xy}(108.3691, 0.2582, 0.3940)$

Have a look what the booklet for
Yxy(108.3691, 0.2582, 0.3940)
contains.

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Color

Yxy(80.8977, 0.2498, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	6FFFEB
RGB	111, 255, 235
RGB Percent	44%, 100%, 92%
CMY	0.5648, 0.0000, 0.0783
CMYK	0.56, 0.00, 0.08, 0.00
HSL	172°, 100%, 72%
HSV	172°, 56%, 100%
XYZ	57.3121, 80.8977, 91.2221
YIQ	209.6640, -79.4040, -36.7480

Conversions

Conversions Part 2

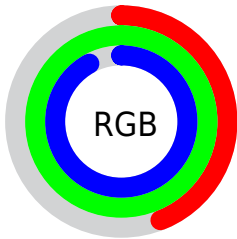
Format	Color
RYB	111, 188, 255
Decimal	7340011
CIELab	92.09, -43.47, -2.19
CIELCh	92, 43.529, 182.880
Yxy	80.8977, 0.2498, 0.3526
Android (android.graphics.Color)	4285530091 (0xFF6FFFEB)
YUV	209.6640, 12.4906, -86.5283
Hunter-Lab	89.9431, -43.6597, 2.8271

Details

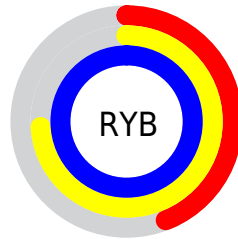
The Yxy color **80.8977, 0.2498, 0.3526** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.2585, 0.4611, 0.3096**, and the grayscale version is **64.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **43.9662, 0.2363, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **79.2716, 0.2437, 0.3575**, and if you desaturate by 10%, it is **83.0005, 0.2578, 0.3478**.

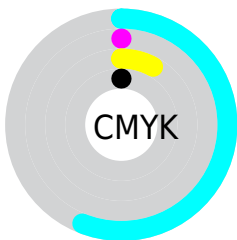
Distribution



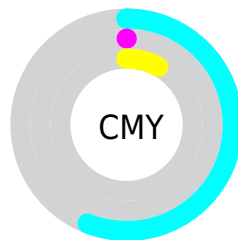
- Red (44%)
- Green (100%)
- Blue (92%)



- Red (44%)
- Yellow (74%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8977, 0.2498, 0.3526 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 80.8977, 0.2498, 0.3526 by changing the saturation by 10% instead.

 80.8977, 0.2498,
0.3526

 80.8977, 0.2498,
0.3526


497.9530, 0.2780,
0.3422

 60.4573, 0.2436,
0.3549


 134.6271, 0.2594,
0.3491

 43.7874, 0.2360,
0.3576


 168.6850, 0.2632,
0.3477

 30.5034, 0.2266,
0.3610


 208.0508, 0.2665,
0.3465

 20.2210, 0.2146,
0.3652

253.1089, 0.2694,
0.3454

 12.5558, 0.1988,
0.3706

304.2439, 0.2719,
0.3445

 7.1234, 0.1773,
0.3779


361.8399, 0.2742,


 3.5394, 0.1464,

0.3436

0.3877


426.2815, 0.2762,
0.3429


 1.4194, 0.0620,
0.4182

 0.2309, 0.0000,
0.3635


 80.8977, 0.2498,
0.3526


 80.8977, 0.2498,
0.3526

 79.2716, 0.2437,
0.3575

 83.0005, 0.2578,
0.3478


 78.0797, 0.2396,
0.3624

 85.6154, 0.2674,
0.3433


 77.2739, 0.2375,
0.3674

 88.7758, 0.2785,
0.3389

 76.7935, 0.2371,
0.3723

 92.5119, 0.2908,
0.3349

 76.6696, 0.2372,
0.3740

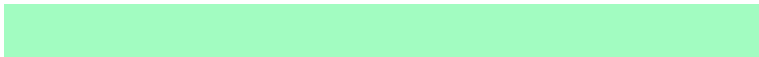
 96.8516, 0.3039,
0.3312

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.



80.8977, 0.2919, 0.3985



80.8977, 0.2498, 0.3526



80.8977, 0.2253, 0.3029

Triad

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



80.8977, 0.2498, 0.3526



80.8977, 0.2780, 0.2521



80.8977, 0.4114, 0.3819

Complementary

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



80.8977, 0.2498, 0.3526



34.2585, 0.4611, 0.3096

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.



80.8977, 0.4087, 0.3428



80.8977, 0.2498, 0.3526



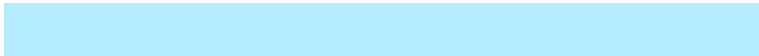
80.8977, 0.3280, 0.2715

Square

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



80.8977, 0.2498, 0.3526



80.8977, 0.2406, 0.2496



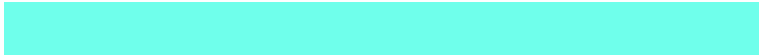
80.8977, 0.3772, 0.3037



80.8977, 0.3860, 0.4119

Rectangle

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



80.8977, 0.2498, 0.3526



80.8977, 0.2208, 0.2765



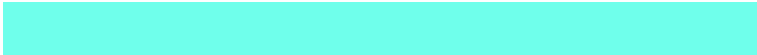
80.8977, 0.3772, 0.3037



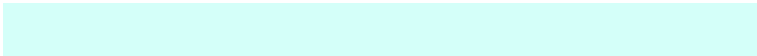
80.8977, 0.4139, 0.3694

Sweetspot

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



80.8980, 0.2498, 0.3526



92.3042, 0.2901, 0.3351



77.6188, 0.3146, 0.5062



19.5874, 0.2876, 0.3359



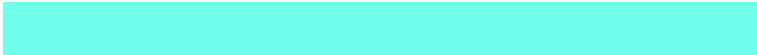
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8980, 0.2498, 0.3526



79.0640, 0.2430, 0.3582



54.0636, 0.2283, 0.2663



20.4356, 0.2999, 0.3323



40.0782, 0.2370, 0.3732



3.9137, 0.2354, 0.3676

Inverse Universe

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



34.2585, 0.4611, 0.3096



28.2673, 0.5110, 0.3086



48.0294, 0.4508, 0.3804



18.0281, 0.3272, 0.3257



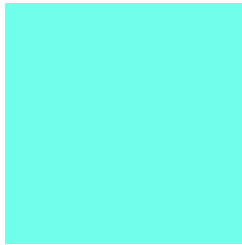
11.1856, 0.6221, 0.3201



1.1010, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 80.8977, 0.2498, 0.3526 looks on a white background.

Color Contrast Check

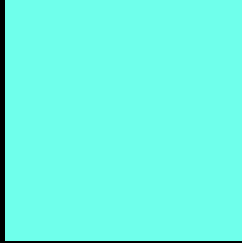
Large Text (above 18pt) WCAG AA × Fail

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 80.8977, 0.2498, 0.3526 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 80.8977, 0.2498, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 80.8977, 0.2498, 0.3526.

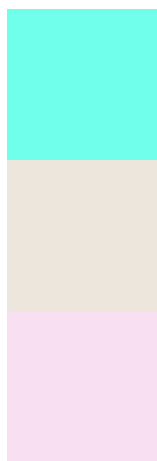


This preview shows how white text looks on a background with the Yxy color 80.8977, 0.2498, 0.3526.

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

80.8977, 0.2498, 0.3526

Protanopia

79.8186, 0.3233, 0.3384

Deuteranopia

79.6786, 0.3177, 0.3110



Tritanopia

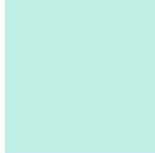
80.0714, 0.2669, 0.3146

Trichromacy



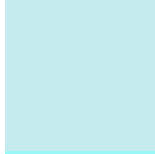
Original Color

80.8977, 0.2498, 0.3526



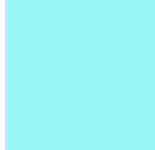
Protanomaly

78.3004, 0.2899, 0.3435



Deuteranomaly

77.6544, 0.2866, 0.3246



Tritanomaly

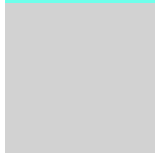
80.0711, 0.2592, 0.3277

Monochromacy



Original Color

80.8977, 0.2498, 0.3526



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5059, 0.2827, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8977, 0.2498, 0.3526 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, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 235)  
}
```

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, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.8977, 0.2498, 0.3526 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, 255, 235) }
```

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

```
.border{ border-color:rgb(111, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8977, 0.2498, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 235) }
```

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

```
.background{ background-color: rgb(111,  
255, 235) }
```

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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