

Converting Colors

$Yxy(80.7823, 0.2473, 0.3494)$

Have a look what the booklet for
Yxy(80.7823, 0.2473, 0.3494)
contains.

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Color

Yxy(80.8188, 0.2473, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFEE
RGB	107, 255, 238
RGB Percent	42%, 100%, 93%
CMY	0.5800, 0.0000, 0.0666
CMYK	0.58, 0.00, 0.07, 0.00
HSL	173°, 100%, 71%
HSV	173°, 58%, 100%
XYZ	57.2679, 80.8188, 93.4858
YIQ	208.8100, -82.7510, -36.6630

Conversions

Conversions Part 2

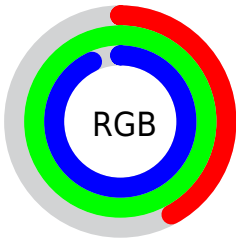
Format	Color
RYB	107, 186, 255
Decimal	7077870
CIELab	92.05, -43.43, -3.79
CIELCh	92, 43.596, 184.994
Yxy	80.8188, 0.2473, 0.3490
Android (android.graphics.Color)	4285267950 (0xFF6BFFEE)
YUV	208.8100, 14.3907, -89.2874
Hunter-Lab	89.8993, -43.6152, 1.2741

Details

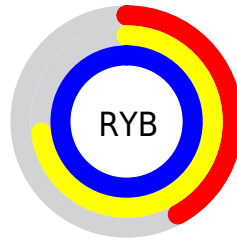
The Yxy color **80.8188, 0.2473, 0.3490** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.2547, 0.4719, 0.3129**, and the grayscale version is **63.5961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **43.9250, 0.2333, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **79.2951, 0.2413, 0.3530**, and if you desaturate by 10%, it is **82.8176, 0.2552, 0.3451**.

Distribution



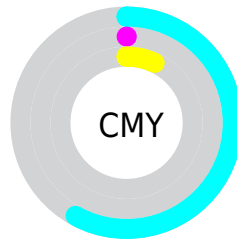
- Red (42%)
- Green (100%)
- Blue (93%)



- Red (42%)
- Yellow (73%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8188, 0.2473, 0.3490 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 80.8188, 0.2473, 0.3490 by changing the saturation by 10% instead.


 80.8188, 0.2473,
0.3490

 80.8188, 0.2473,
0.3490


497.6880, 0.2766,
0.3403

 60.3924, 0.2409,
0.3508


 134.5163, 0.2573,
0.3461

 43.7350, 0.2330,
0.3530


 168.5562, 0.2612,
0.3450

 30.4622, 0.2233,
0.3557


 207.9027, 0.2646,
0.3439

 20.1897, 0.2110,
0.3590

252.9402, 0.2676,
0.3431

 12.5330, 0.1948,
0.3631

304.0530, 0.2702,
0.3423

 7.1078, 0.1728,
0.3684

361.6257, 0.2726,

 3.5296, 0.1416,

0.3416

0.3750

426.0425, 0.2747,
0.3409

■ 1.4141, 0.0585,
0.3980

■ 0.2271, 0.0000,
0.3070

■ 80.8188, 0.2473,
0.3490

■ 80.8188, 0.2473,
0.3490

■ 79.2951, 0.2413,
0.3530

■ 82.8176, 0.2552,
0.3451

■ 78.1947, 0.2374,
0.3570


■ 85.3192, 0.2648,
0.3413


■ 77.4709, 0.2353,
0.3611

■ 88.3602, 0.2759,
0.3377

■ 77.0562, 0.2349,
0.3650

■ 91.9711, 0.2883,
0.3344

 76.9910, 0.2350,
0.3658

 96.1801, 0.3016,
0.3313

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



80.8188, 0.2885, 0.3960



80.8188, 0.2473, 0.3490



80.8188, 0.2242, 0.2997

Triad

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



80.8188, 0.2473, 0.3490



80.8188, 0.2812, 0.2529



80.8188, 0.4106, 0.3846

Complementary

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



80.8188, 0.2473, 0.3490



33.2547, 0.4719, 0.3129

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.



80.8188, 0.4101, 0.3457



80.8188, 0.2473, 0.3490



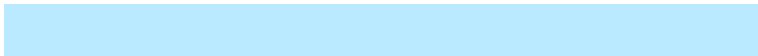
80.8188, 0.3317, 0.2733

Square

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



80.8188, 0.2473, 0.3490



80.8188, 0.2425, 0.2490



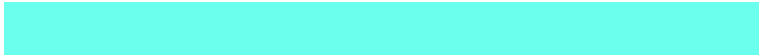
80.8188, 0.3803, 0.3062



80.8188, 0.3835, 0.4135

Rectangle

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



80.8188, 0.2473, 0.3490



80.8188, 0.2208, 0.2741



80.8188, 0.3803, 0.3062



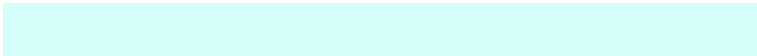
80.8188, 0.4138, 0.3722

Sweetspot

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



80.8219, 0.2473, 0.3490



92.3688, 0.2896, 0.3341



76.8911, 0.3119, 0.5126



19.6028, 0.2870, 0.3347



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.



80.8219, 0.2473, 0.3490



79.0473, 0.2404, 0.3538



50.8799, 0.2249, 0.2578



20.4434, 0.2995, 0.3317



40.2467, 0.2348, 0.3652



3.9285, 0.2335, 0.3606

Inverse Universe

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



33.2547, 0.4719, 0.3129



27.3608, 0.5257, 0.3126



48.8016, 0.4524, 0.3864



18.0210, 0.3276, 0.3263



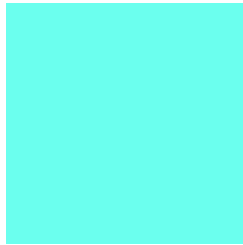
11.1665, 0.6265, 0.3225



1.0977, 0.6031, 0.3096

Previews

White Background



This preview shows how the Yxy color 80.8188, 0.2473, 0.3490 looks on a white background.

Color Contrast Check

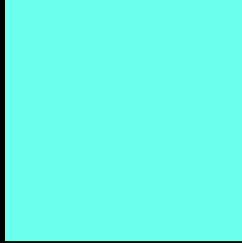
Large Text (above 18pt) WCAG AA × Fail

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 80.8188, 0.2473, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

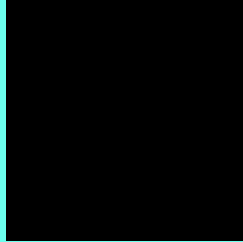
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

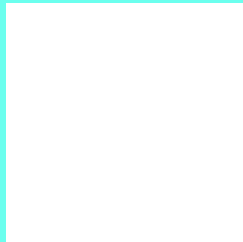
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8188, 0.2473, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 80.8188, 0.2473, 0.3490.

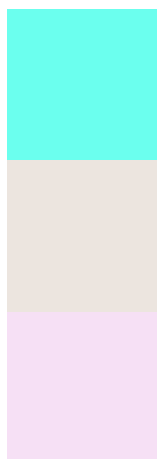


This preview shows how white text looks on a background with the Yxy color 80.8188, 0.2473, 0.3490.

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

80.8188, 0.2473, 0.3490

Protanopia

79.1992, 0.3214, 0.3353

Deuteranopia

79.4967, 0.3144, 0.3080



Tritanopia

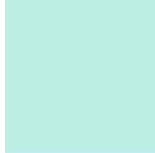
79.9544, 0.2664, 0.3146

Trichromacy



Original Color

80.8188, 0.2473, 0.3490



Protanomaly

77.5693, 0.2875, 0.3401



Deuteranomaly

77.4296, 0.2831, 0.3213



Tritanomaly

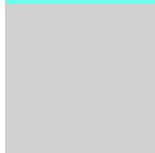
79.9404, 0.2579, 0.3266

Monochromacy



Original Color

80.8188, 0.2473, 0.3490



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3307, 0.2809, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8188, 0.2473, 0.3490 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(107, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 238)  
}
```

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(107, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.8188, 0.2473, 0.3490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

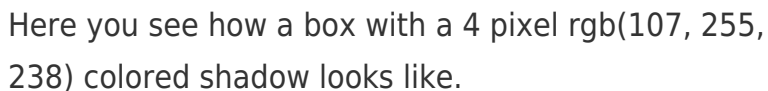
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 255, 238) }
```

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

```
.border{ border-color:rgb(107, 255, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8188, 0.2473, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 238) }
```

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

```
.background{ background-color: rgb(107,  
255, 238) }
```

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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