

Converting Colors

$Yxy(80.4675, 0.2410, 0.3415)$

Have a look what the booklet for
Yxy(80.4675, 0.2410, 0.3415)
contains.

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Color

Yxy(80.4313, 0.2410, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	5EFFF4
RGB	94, 255, 244
RGB Percent	37%, 100%, 96%
CMY	0.6319, 0.0000, 0.0431
CMYK	0.63, 0.00, 0.04, 0.00
HSL	176°, 100%, 68%
HSV	176°, 63%, 100%
XYZ	56.6948, 80.4313, 98.1220
YIQ	205.6070, -92.4250, -37.5530

Conversions

Conversions Part 2

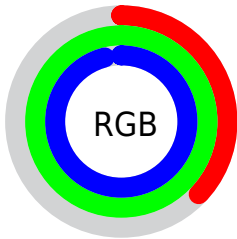
Format	Color
RYB	94, 177, 255
Decimal	6225908
CIELab	91.88, -44.10, -7.18
CIElCh	92, 44.680, 189.254
Yxy	80.4313, 0.2410, 0.3419
Android (android.graphics.Color)	4284415988 (0xFF5EFFF4)
YUV	205.6070, 18.9277, -97.8793
Hunter-Lab	89.6835, -44.1047, -2.0902

Details

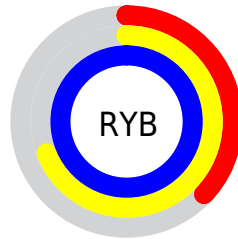
The Yxy color **80.4313, 0.2410, 0.3419** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.2608, 0.5045, 0.3196**, and the grayscale version is **61.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **44.0190, 0.2290, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **79.1888, 0.2357, 0.3442**, and if you desaturate by 10%, it is **82.1065, 0.2482, 0.3396**.

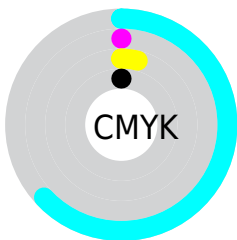
Distribution



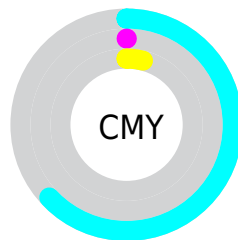
- Red (37%)
- Green (100%)
- Blue (96%)



- Red (37%)
- Yellow (69%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4313, 0.2410, 0.3419 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 80.4313, 0.2410, 0.3419 by changing the saturation by 10% instead.

 80.4313, 0.2410,
0.3419

 80.4313, 0.2410,
0.3419


496.3852, 0.2729,
0.3367

 60.0733, 0.2340,
0.3429


 133.9719, 0.2518,
0.3403

 43.4777, 0.2256,
0.3440


 167.9234, 0.2561,
0.3396

 30.2601, 0.2151,
0.3453


 207.1748, 0.2598,
0.3390

 20.0361, 0.2019,
0.3467

252.1106, 0.2631,
0.3384

 12.4213, 0.1847,
0.3482

303.1152, 0.2660,
0.3380

 7.0313, 0.1615,
0.3496

360.5728, 0.2686,

 3.4817, 0.1293,

0.3375

424.8680, 0.2709,
0.3371

0.3498

1.3881, 0.0449,
0.3599

0.2079, 0.0000,
0.2220

80.4313, 0.2410,
0.3419

80.4313, 0.2410,
0.3419

79.1888, 0.2357,
0.3442

82.1065, 0.2482,
0.3396

78.3529, 0.2324,
0.3465

84.2736, 0.2573,
0.3373

77.8614, 0.2309,
0.3488

86.9614, 0.2681,
0.3352

77.6689, 0.2307,
0.3504

90.2019, 0.2803,
0.3332

■ 94.0243, 0.2937,
0.3313

■ 98.4560, 0.3080,
0.3295

■ 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.



80.4313, 0.2810, 0.3921



80.4313, 0.2410, 0.3419



80.4313, 0.2205, 0.2925

Triad

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



80.4313, 0.2410, 0.3419



80.4313, 0.2872, 0.2531



80.4313, 0.4108, 0.3909

Complementary

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



80.4313, 0.2410, 0.3419



30.2608, 0.5045, 0.3196

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.



80.4313, 0.4147, 0.3518



80.4313, 0.2410, 0.3419



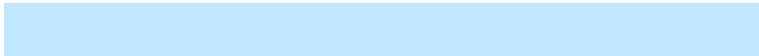
80.4313, 0.3397, 0.2761

Square

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



80.4313, 0.2410, 0.3419



80.4313, 0.2453, 0.2465



80.4313, 0.3880, 0.3111



80.4313, 0.3794, 0.4183

Rectangle

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



80.4313, 0.2410, 0.3419



80.4313, 0.2191, 0.2682



80.4313, 0.3880, 0.3111



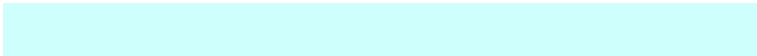
80.4313, 0.4155, 0.3786

Sweetspot

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



80.4247, 0.2410, 0.3419



91.7294, 0.2858, 0.3323



75.4706, 0.3086, 0.5309



19.4081, 0.2820, 0.3329



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.



80.4247, 0.2410, 0.3419



78.9153, 0.2346, 0.3449



45.5020, 0.2167, 0.2429



20.4588, 0.2989, 0.3306



40.5928, 0.2306, 0.3500



3.9586, 0.2298, 0.3474

Inverse Universe

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



30.2608, 0.5045, 0.3196



25.1191, 0.5636, 0.3205



47.5596, 0.4653, 0.3952



18.0072, 0.3284, 0.3274



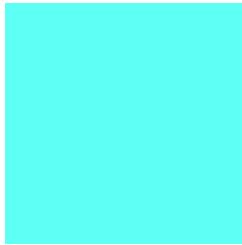
11.1380, 0.6331, 0.3261



1.0912, 0.6174, 0.3175

Previews

White Background



This preview shows how the Yxy color 80.4313, 0.2410, 0.3419 looks on a white background.

Color Contrast Check

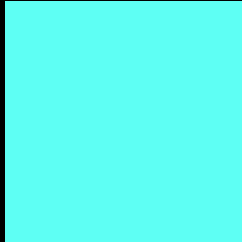
Large Text (above 18pt) WCAG AA × Fail

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 80.4313, 0.2410, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

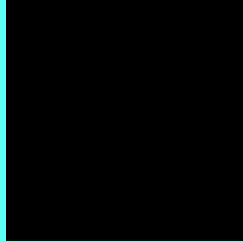
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

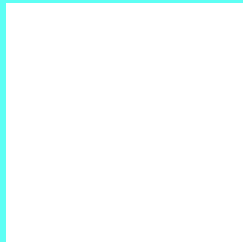
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4313, 0.2410, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 80.4313, 0.2410, 0.3419.

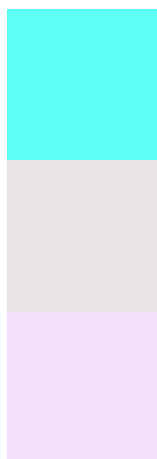


This preview shows how white text looks on a background with the Yxy color 80.4313, 0.2410, 0.3419.

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

80.4313, 0.2410, 0.3419

Protanopia

79.1882, 0.3162, 0.3290

Deuteranopia

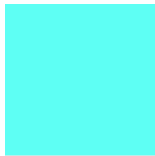
78.7951, 0.3085, 0.3010



Tritanopia

79.3822, 0.2639, 0.3145

Trichromacy



Original Color

80.4313, 0.2410, 0.3419



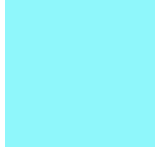
Protanomaly

77.1569, 0.2807, 0.3334



Deuteranomaly

77.0128, 0.2763, 0.3146



Tritanomaly

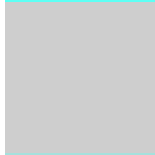
79.3262, 0.2534, 0.3243

Monochromacy



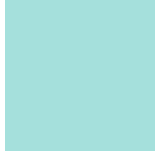
Original Color

80.4313, 0.2410, 0.3419



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.4779, 0.2766, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4313, 0.2410, 0.3419 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(94, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 244)  
}
```

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(94, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.4313, 0.2410, 0.3419 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(94, 255, 244) }
```

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

```
.border{ border-color:rgb(94, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4313, 0.2410, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 244) }
```

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

```
.background{ background-color: rgb(94, 255,  
244) }
```

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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