

# Converting Colors

$Yxy(82.3104, 0.2427, 0.3478)$

Have a look what the booklet for  
Yxy(82.3104, 0.2427, 0.3478)  
contains.

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# Color

**Yxy(80.3105, 0.2418, 0.3443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFFF2
RGB	94, 255, 242
RGB Percent	37%, 100%, 95%
CMY	0.6315, 0.0000, 0.0509
CMYK	0.63, 0.00, 0.05, 0.00
HSL	175°, 100%, 68%
HSV	175°, 63%, 100%
XYZ	56.4016, 80.3105, 96.5452
YIQ	205.3790, -91.7830, -38.1750

# Conversions

## Conversions Part 2

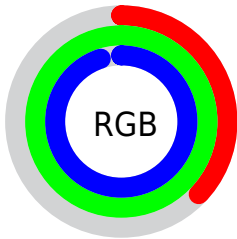
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">94, 178, 255</a>
Decimal	<a href="#">6225906</a>
CIELab	<a href="#">91.82, -44.59, -6.24</a>
CIElCh	<a href="#">92, 45.027, 187.963</a>
Yxy	<a href="#">80.3105, 0.2418, 0.3443</a>
Android (android.graphics.Color)	<a href="#">4284415986 (0xFF5EFFF2)</a>
YUV	<a href="#">205.3790, 18.0542, -97.6794</a>
Hunter-Lab	<a href="#">89.6161, -44.4858, -1.1430</a>

# Details

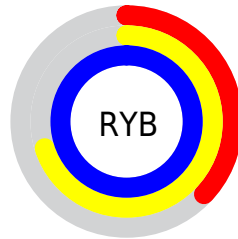
The Yxy color **80.3105, 0.2418, 0.3443** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.3195, 0.5018, 0.3177**, and the grayscale version is **61.2244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **43.9333, 0.2299, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **79.0547, 0.2366, 0.3471**, and if you desaturate by 10%, it is **82.0110, 0.2489, 0.3416**.

# Distribution



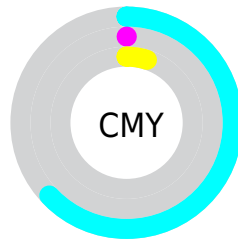
- Red (37%)
- Green (100%)
- Blue (95%)



- Red (37%)
- Yellow (70%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3105, 0.2418, 0.3443 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 80.3105, 0.2418, 0.3443 by changing the saturation by 10% instead.





 80.3105, 0.2418,  
0.3443


 80.3105, 0.2418,  
0.3443


495.9786, 0.2734,  
0.3380

 59.9739, 0.2349,  
0.3456


 133.8022, 0.2525,  
0.3423

 43.3976, 0.2265,  
0.3470

 167.7261, 0.2568,  
0.3414

 30.1972, 0.2161,  
0.3487

 206.9478, 0.2605,  
0.3407

 19.9883, 0.2029,  
0.3508

251.8519, 0.2637,  
0.3400

 12.3866, 0.1858,  
0.3531

302.8226, 0.2666,  
0.3394

 7.0075, 0.1626,  
0.3555


360.2443, 0.2691,


 3.4668, 0.1303,


0.3389


0.3576


424.5015, 0.2714,  
0.3384


 1.3800, 0.0420,  
0.3726


 0.2019, 0.0000,  
0.2354


 80.3105, 0.2418,  
0.3443

 80.3105, 0.2418,  
0.3443


 79.0547, 0.2366,  
0.3471


 82.0110, 0.2489,  
0.3416


 78.2003, 0.2334,  
0.3498


 84.1982, 0.2579,  
0.3389


 77.6909, 0.2320,  
0.3526

 86.9067, 0.2686,  
0.3363

 77.4859, 0.2318,  
0.3544

 90.1682, 0.2807,  
0.3339

 94.0122, 0.2940,  
0.3317

 98.4660, 0.3081,  
0.3296

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.



80.3105, 0.2827, 0.3945



80.3105, 0.2418, 0.3443



80.3105, 0.2202, 0.2941

# Triad

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



80.3105, 0.2418, 0.3443



80.3105, 0.2848, 0.2519



80.3105, 0.4123, 0.3898

# Complementary

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



80.3105, 0.2418, 0.3443



30.3195, 0.5018, 0.3177

# 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.



80.3105, 0.4150, 0.3501



80.3105, 0.2418, 0.3443



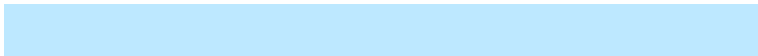
80.3105, 0.3376, 0.2744

# Square

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



80.3105, 0.2418, 0.3443



80.3105, 0.2434, 0.2460



80.3105, 0.3869, 0.3092

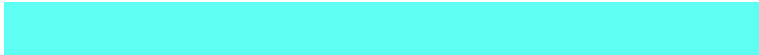


80.3105, 0.3817, 0.4182



# Rectangle

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



80.3105, 0.2418, 0.3443



80.3105, 0.2182, 0.2690



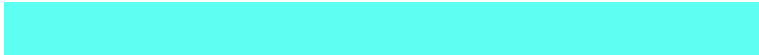
80.3105, 0.3869, 0.3092



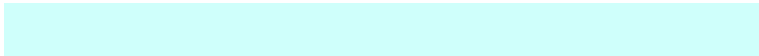
80.3105, 0.4167, 0.3772

# Sweetspot

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



80.3096, 0.2418, 0.3443



91.6916, 0.2861, 0.3330



75.4772, 0.3086, 0.5308



19.3988, 0.2824, 0.3336



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.



80.3096, 0.2418, 0.3443



78.7727, 0.2355, 0.3479



45.5223, 0.2168, 0.2429



20.4547, 0.2991, 0.3309



40.4987, 0.2317, 0.3540



3.9504, 0.2308, 0.3509



# Inverse Universe

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



30.3195, 0.5018, 0.3177



25.1522, 0.5608, 0.3187



47.5791, 0.4652, 0.3952



18.0108, 0.3282, 0.3271



11.1445, 0.6316, 0.3253

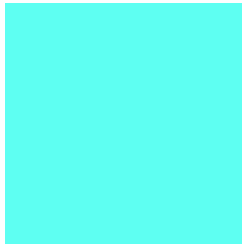


1.0929, 0.6135, 0.3153



# Previews

## White Background



This preview shows how the Yxy color 80.3105, 0.2418, 0.3443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

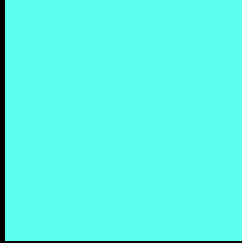
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3105, 0.2418, 0.3443 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 80.3105, 0.2418, 0.3443**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3105, 0.2418, 0.3443.

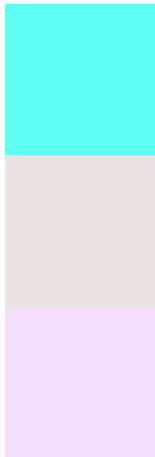


This preview shows how white text looks on a background with the Yxy color 80.3105, 0.2418, 0.3443.

# 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

80.3105, 0.2418, 0.3443

### Protanopia

79.0771, 0.3174, 0.3311

### Deuteranopia

78.6696, 0.3098, 0.3029



## Tritanopia

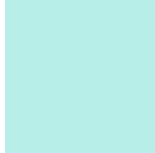
79.3822, 0.2639, 0.3145

# Trichromacy



## Original Color

80.3105, 0.2418, 0.3443



## Protanomaly

77.0425, 0.2818, 0.3357



## Deuteranomaly

76.8893, 0.2774, 0.3168



## Tritanomaly

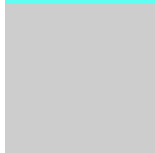
79.2633, 0.2539, 0.3254

# Monochromacy



## Original Color

80.3105, 0.2418, 0.3443



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.8366, 0.2776, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3105, 0.2418, 0.3443 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3105, 0.2418, 0.3443 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, 242) }
```

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

```
.border{ border-color:rgb(94, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3105, 0.2418, 0.3443 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, 242) }
```

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

```
.background{ background-color: rgb(94, 255,  
242) }
```

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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