

Converting Colors

$Y_{xy}(100.0000, 0.2618, 0.3934)$

Have a look what the booklet for
Yxy(100.0000, 0.2618, 0.3934)
contains.

Yxy(80.8625, 0.2561, 0.3636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.8625, 0.2561, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	76FFE2
RGB	118, 255, 226
RGB Percent	46%, 100%, 89%
CMY	0.5375, 0.0000, 0.1136
CMYK	0.54, 0.00, 0.11, 0.00
HSL	167°, 100%, 73%
HSV	167°, 54%, 100%
XYZ	56.9551, 80.8625, 84.5765
YIQ	210.7310, -72.3430, -38.0630

Conversions

Conversions Part 2

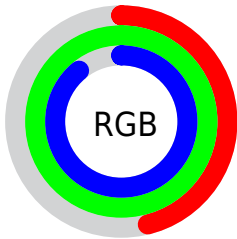
Format	Color
RYB	118, 195, 255
Decimal	7798754
CIELab	92.07, -44.28, 2.48
CIElCh	92, 44.354, 176.795
Yxy	80.8625, 0.2561, 0.3636
Android (android.graphics.Color)	4285988834 (0xFF76FFE2)
YUV	210.7310, 7.5276, -81.3251
Hunter-Lab	89.9236, -44.3092, 7.1820

Details

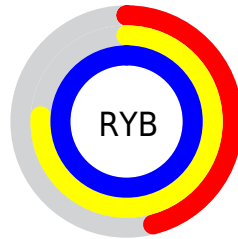
The Yxy color **80.8625, 0.2561, 0.3636** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.3069, 0.4376, 0.2999**, and the grayscale version is **64.9292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **43.9814, 0.2436, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **79.0193, 0.2500, 0.3713**, and if you desaturate by 10%, it is **83.1923, 0.2639, 0.3562**.

Distribution



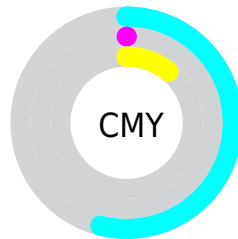
- Red (46%)
- Green (100%)
- Blue (89%)



- Red (46%)
- Yellow (76%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8625, 0.2561, 0.3636 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 80.8625, 0.2561, 0.3636 by changing the saturation by 10% instead.


 80.8625, 0.2561,
0.3636

 80.8625, 0.2561,
0.3636

497.8348, 0.2817,
0.3478

 60.4284, 0.2504,
0.3672


 134.5777, 0.2649,
0.3581

 43.7640, 0.2434,
0.3715

 168.6275, 0.2683,
0.3560

 30.4850, 0.2347,
0.3770


 207.9847, 0.2713,
0.3542

 20.2070, 0.2235,
0.3842

253.0336, 0.2739,
0.3526

 12.5456, 0.2087,
0.3937

304.1587, 0.2762,
0.3512

 7.1164, 0.1881,
0.4072

361.7443, 0.2783,

 3.5350, 0.1581,

0.3499

0.4274

426.1749, 0.2801,
0.3488

■ 1.4170, 0.0647,
0.4847

■ 0.2292, 0.0000,
0.7505

■ 80.8625, 0.2561,
0.3636

■ 80.8625, 0.2561,
0.3636

■ 79.0193, 0.2500,
0.3713

■ 83.1923, 0.2639,
0.3562

■ 77.6303, 0.2460,
0.3791


■ 86.0518, 0.2733,
0.3492


■ 76.6466, 0.2439,
0.3869

■ 89.4706, 0.2840,
0.3426

■ 76.0117, 0.2437,
0.3947

■ 93.4783, 0.2957,
0.3365

 75.7416, 0.2443,
0.3996

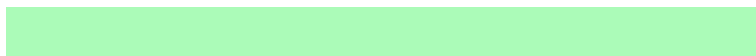
 98.1025, 0.3080,
0.3309

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.



80.8625, 0.3016, 0.4070



80.8625, 0.2561, 0.3636



80.8625, 0.2271, 0.3119

Triad

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



80.8625, 0.2561, 0.3636



80.8625, 0.2683, 0.2488



80.8625, 0.4152, 0.3751

Complementary

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



80.8625, 0.2561, 0.3636



36.3069, 0.4376, 0.2999

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.



80.8625, 0.4062, 0.3346



80.8625, 0.2561, 0.3636



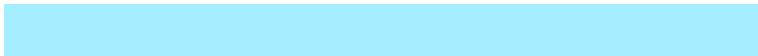
80.8625, 0.3174, 0.2653

Square

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



80.8625, 0.2561, 0.3636



80.8625, 0.2339, 0.2500



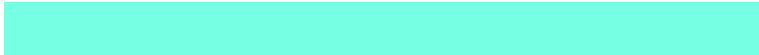
80.8625, 0.3692, 0.2958



80.8625, 0.3945, 0.4085

Rectangle

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



80.8625, 0.2561, 0.3636



80.8625, 0.2196, 0.2828



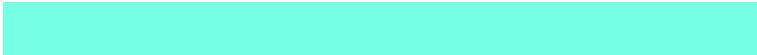
80.8625, 0.3692, 0.2958



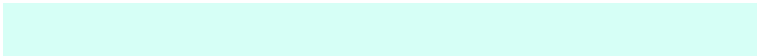
80.8625, 0.4157, 0.3619

Sweetspot

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



80.8600, 0.2561, 0.3636



92.5232, 0.2930, 0.3378



79.0888, 0.3199, 0.4945



19.6226, 0.2905, 0.3391



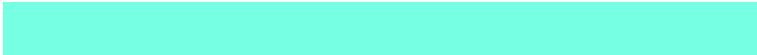
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.8600, 0.2561, 0.3636



78.9790, 0.2499, 0.3715



60.2647, 0.2342, 0.2816



20.4118, 0.3008, 0.3341



39.5994, 0.2440, 0.3983



3.8713, 0.2415, 0.3894

Inverse Universe

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



36.3069, 0.4376, 0.2999



30.3937, 0.4771, 0.2969



46.6044, 0.4477, 0.3691



18.0499, 0.3261, 0.3240



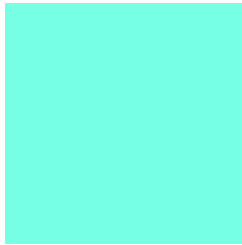
11.2649, 0.6049, 0.3106



1.1119, 0.5747, 0.2939

Previews

White Background



This preview shows how the Yxy color 80.8625, 0.2561, 0.3636 looks on a white background.

Color Contrast Check

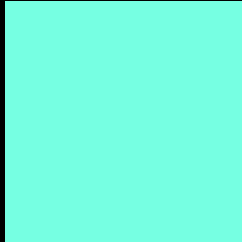
Large Text (above 18pt) WCAG AA × Fail

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 80.8625, 0.2561, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

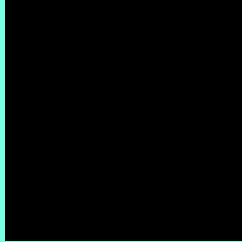
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8625, 0.2561, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 80.8625, 0.2561, 0.3636.

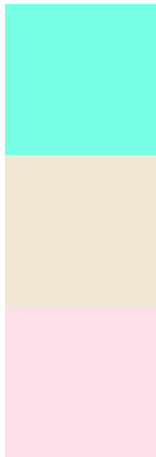


This preview shows how white text looks on a background with the Yxy color 80.8625, 0.2561, 0.3636.

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

80.8625, 0.2561, 0.3636

Protanopia

79.6978, 0.3307, 0.3478

Deuteranopia

79.3540, 0.3266, 0.3190



Tritanopia

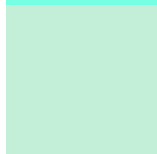
80.1892, 0.2675, 0.3147

Trichromacy



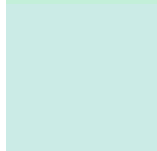
Original Color

80.8625, 0.2561, 0.3636



Protanomaly

78.3449, 0.2975, 0.3536



Deuteranomaly

77.8263, 0.2949, 0.3344



Tritanomaly

80.1211, 0.2625, 0.3323

Monochromacy



Original Color

80.8625, 0.2561, 0.3636



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.2431, 0.2864, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8625, 0.2561, 0.3636 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(118, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 226)  
}
```

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(118, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 80.8625, 0.2561, 0.3636 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(118, 255, 226) }
```

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

```
.border{ border-color:rgb(118, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8625, 0.2561, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 226) }
```

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

```
.background{ background-color: rgb(118,  
255, 226) }
```

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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