

Converting Colors

$Yxy(80.8677, 0.2657, 0.3798)$

Have a look what the booklet for
Yxy(80.8677, 0.2657, 0.3798)
contains.

Yxy(80.8361, 0.2654, 0.3796)	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(80.8361, 0.2654, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFD5
RGB	127, 255, 213
RGB Percent	50%, 100%, 84%
CMY	0.5023, 0.0000, 0.1646
CMYK	0.50, 0.00, 0.16, 0.00
HSL	160°, 100%, 75%
HSV	160°, 50%, 100%
XYZ	56.5171, 80.8361, 75.5975
YIQ	211.9400, -62.8060, -40.1980

Conversions

Conversions Part 2

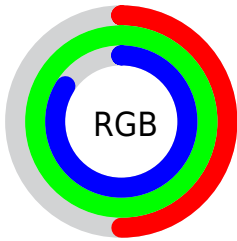
Format	Color
RYB	127, 204, 255
Decimal	8388565
CIELab	92.06, -45.32, 9.21
CIELCh	92, 46.244, 168.511
Yxy	80.8361, 0.2654, 0.3796
Android (android.graphics.Color)	4286578645 (0xFF7FFFD5)
YUV	211.9400, 0.5226, -74.4924
Hunter-Lab	89.9089, -45.1347, 13.0838

Details

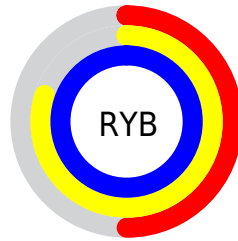
The Yxy color **80.8361, 0.2654, 0.3796** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.2792, 0.4075, 0.2860**, and the grayscale version is **65.8101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **43.9468, 0.2548, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **78.7036, 0.2597, 0.3918**, and if you desaturate by 10%, it is **83.4776, 0.2728, 0.3679**.

Distribution



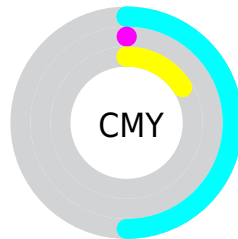
- Red (50%)
- Green (100%)
- Blue (84%)



- Red (50%)
- Yellow (80%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8361, 0.2654, 0.3796 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 80.8361, 0.2654, 0.3796 by changing the saturation by 10% instead.

 80.8361, 0.2654,
0.3796

 80.8361, 0.2654,
0.3796


497.7461, 0.2872,
0.3559


 60.4066, 0.2605,
0.3851


 134.5406, 0.2729,
0.3713

 43.7465, 0.2544,
0.3919


 168.5844, 0.2759,
0.3681

 30.4712, 0.2467,
0.4006


 207.9351, 0.2784,
0.3653

 20.1965, 0.2368,
0.4121

252.9772, 0.2806,
0.3629

 12.5380, 0.2233,
0.4279

304.0949, 0.2825,
0.3608

 7.1112, 0.2043,
0.4509

361.6727, 0.2843,

 3.5317, 0.1756,

0.3590

426.0949, 0.2858,
0.3573

0.4873

1.4152, 0.0681,
0.5928

0.2279, 0.0000,
1.0000

80.8361, 0.2654,
0.3796

80.8361, 0.2654,
0.3796

78.7036, 0.2597,
0.3918

83.4776, 0.2728,
0.3679

77.0537, 0.2558,
0.4045

86.6748, 0.2815,
0.3569

75.8385, 0.2540,
0.4172

90.4549, 0.2912,
0.3468

75.0053, 0.2542,
0.4299

94.8472, 0.3016,
0.3375

 74.4775, 0.2561,
0.4420

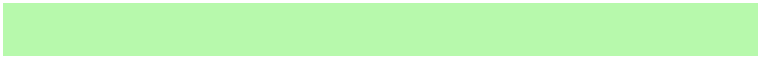
99.8785, 0.3125,
0.3292

100.0000, 0.3127,
0.3290

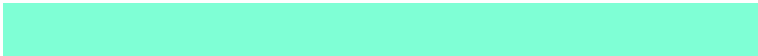
Harmonies

Analogous

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



80.8361, 0.3155, 0.4186



80.8361, 0.2654, 0.3796



80.8361, 0.2299, 0.3254

Triad

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



80.8361, 0.2654, 0.3796



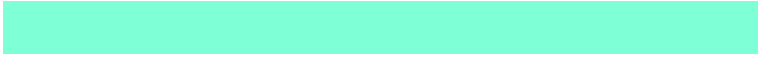
80.8361, 0.2547, 0.2441



80.8361, 0.4202, 0.3652

Complementary

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



80.8361, 0.2654, 0.3796



39.2792, 0.4075, 0.2860

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.



80.8361, 0.4021, 0.3230



80.8361, 0.2654, 0.3796



80.8361, 0.3024, 0.2566

Square

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



80.8361, 0.2654, 0.3796



80.8361, 0.2245, 0.2508



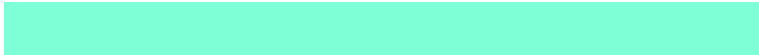
80.8361, 0.3573, 0.2846



80.8361, 0.4065, 0.4032

Rectangle

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



80.8361, 0.2654, 0.3796



80.8361, 0.2180, 0.2923



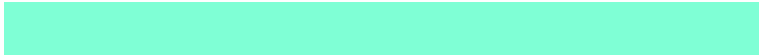
80.8361, 0.3573, 0.2846



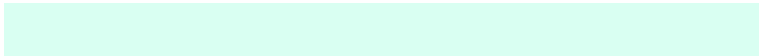
80.8361, 0.4178, 0.3512

Sweetspot

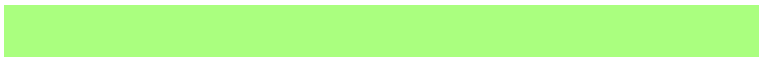
The Sweet Spot groups the original color and five complimentary colors.



80.8320, 0.2654, 0.3796



92.6724, 0.2966, 0.3418



81.5535, 0.3290, 0.4784



19.6399, 0.2944, 0.3438



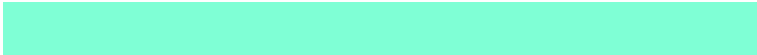
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.8320, 0.2654, 0.3796



78.7463, 0.2598, 0.3916



70.3748, 0.2422, 0.3037



20.3743, 0.3024, 0.3369



38.9448, 0.2556, 0.4400



3.8121, 0.2516, 0.4257

Inverse Universe

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



39.2792, 0.4075, 0.2860



33.0340, 0.4374, 0.2797



44.0546, 0.4443, 0.3514



18.0852, 0.3242, 0.3212



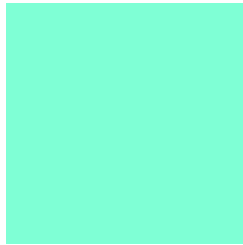
11.4639, 0.5668, 0.2896



1.1354, 0.5349, 0.2721

Previews

White Background



This preview shows how the Yxy color 80.8361, 0.2654, 0.3796 looks on a white background.

Color Contrast Check

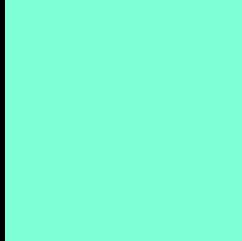
Large Text (above 18pt) WCAG AA × Fail

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 80.8361, 0.2654, 0.3796 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

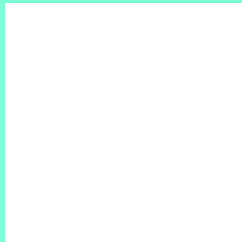
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8361, 0.2654, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 80.8361, 0.2654, 0.3796.

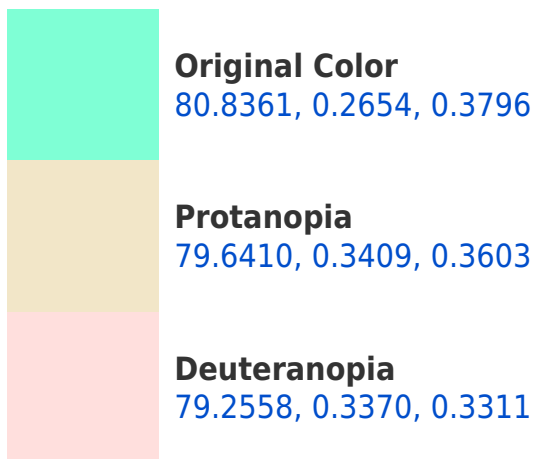


This preview shows how white text looks on a background with the Yxy color 80.8361, 0.2654, 0.3796.

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





Tritanopia

80.4276, 0.2685, 0.3147

Trichromacy



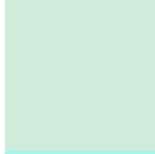
Original Color

80.8361, 0.2654, 0.3796



Protanomaly

78.4201, 0.3077, 0.3672



Deuteranomaly

77.8885, 0.3052, 0.3477



Tritanomaly

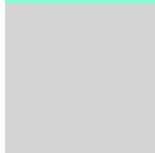
80.3899, 0.2668, 0.3368

Monochromacy



Original Color

80.8361, 0.2654, 0.3796



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0640, 0.2913, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8361, 0.2654, 0.3796 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(127, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 213)  
}
```

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(127, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 80.8361, 0.2654, 0.3796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

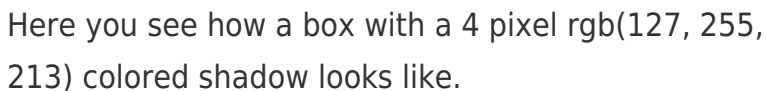
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 255, 213) }
```

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

```
.border{ border-color:rgb(127, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8361, 0.2654, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 213) }
```

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

```
.background{ background-color: rgb(127,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor