

Converting Colors

$Yxy(81.8914, 0.2651, 0.3692)$

Have a look what the booklet for
Yxy(81.8914, 0.2651, 0.3692)
contains.

Yxy(81.8914, 0.2651, 0.3692)	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(81.8914, 0.2651, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	87FFDD
RGB	135, 255, 221
RGB Percent	53%, 100%, 87%
CMY	0.4706, 0.0000, 0.1333
CMYK	0.47, 0.00, 0.13, 0.00
HSL	163°, 100%, 76%
HSV	163°, 47%, 100%
XYZ	58.8012, 81.8914, 81.1151
YIQ	215.2440, -60.6060, -36.0140

Conversions

Conversions Part 2

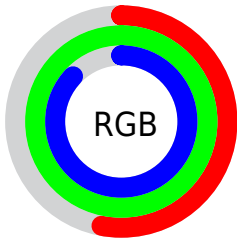
Format	Color
RYB	135, 205, 255
Decimal	8912861
CIELab	92.53, -41.75, 5.81
CIELCh	93, 42.149, 172.077
Yxy	81.8914, 0.2651, 0.3692
Android (android.graphics.Color)	4287102941 (0xFF87FFDD)
YUV	215.2440, 2.8377, -70.3740
Hunter-Lab	90.4939, -42.3783, 10.2005

Details

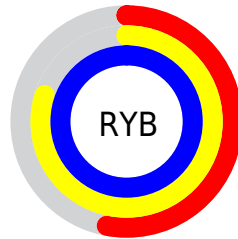
The Yxy color **81.8914, 0.2651, 0.3692** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.4489, 0.4046, 0.2939**, and the grayscale version is **68.1374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **44.5972, 0.2542, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **79.6461, 0.2584, 0.3795**, and if you desaturate by 10%, it is **84.6581, 0.2734, 0.3594**.

Distribution



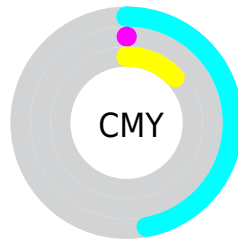
- Red (53%)
- Green (100%)
- Blue (87%)



- Red (53%)
- Yellow (80%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8914, 0.2651, 0.3692 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 81.8914, 0.2651, 0.3692 by changing the saturation by 10% instead.


 81.8914, 0.2651,
0.3692

 81.8914, 0.2651,
0.3692


501.2844, 0.2868,
0.3506

 61.2760, 0.2602,
0.3735


 136.0217, 0.2726,
0.3627

 44.4480, 0.2543,
0.3787


 170.3054, 0.2755,
0.3602

 31.0228, 0.2468,
0.3854


209.9140, 0.2780,
0.3581

 20.6162, 0.2371,
0.3941

255.2319, 0.2802,
0.3562

 12.8438, 0.2242,
0.4059

306.6435, 0.2821,
0.3545

 7.3211, 0.2061,
0.4229

364.5332, 0.2839,

 3.6637, 0.1791,

0.3531

0.4492

429.2853, 0.2854,
0.3518

1.4873, 0.1032,
0.5134

0.2797, 0.0000,
1.0000

81.8914, 0.2651,
0.3692

81.8914, 0.2651,
0.3692

79.6461, 0.2584,
0.3795

84.6581, 0.2734,
0.3594

77.8876, 0.2536,
0.3902

87.9820, 0.2829,
0.3502

76.5733, 0.2508,
0.4010

91.8926, 0.2934,
0.3417

75.6538, 0.2500,
0.4119

96.4183, 0.3046,
0.3340

■ 75.0663, 0.2511,
0.4226

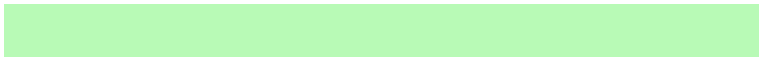
100.0000, 0.3127,
0.3290

■ 74.9291, 0.2516,
0.4257

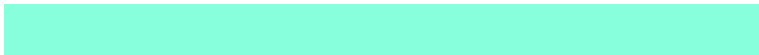
Harmonies

Analogous

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



81.8914, 0.3099, 0.4068



81.8914, 0.2651, 0.3692



81.8914, 0.2344, 0.3204

Triad

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



81.8914, 0.2651, 0.3692



81.8914, 0.2644, 0.2517



81.8914, 0.4104, 0.3673

Complementary

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



81.8914, 0.2651, 0.3692



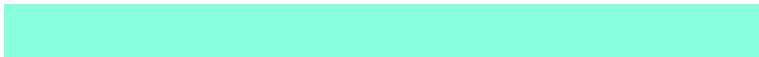
41.4489, 0.4046, 0.2939

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.



81.8914, 0.3972, 0.3285



81.8914, 0.2651, 0.3692



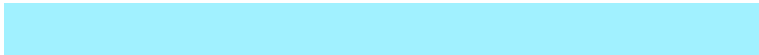
81.8914, 0.3094, 0.2649

Square

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



81.8914, 0.2651, 0.3692



81.8914, 0.2343, 0.2559



81.8914, 0.3590, 0.2922



81.8914, 0.3950, 0.4005

Rectangle

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



81.8914, 0.2651, 0.3692



81.8914, 0.2250, 0.2913



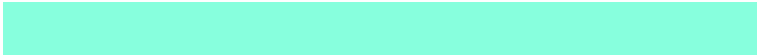
81.8914, 0.3590, 0.2922



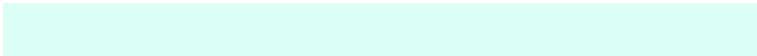
81.8914, 0.4092, 0.3545

Sweetspot

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



81.8906, 0.2651, 0.3692



93.2123, 0.2968, 0.3393



81.7031, 0.3248, 0.4698



19.7510, 0.2944, 0.3410



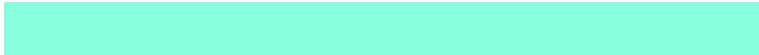
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.8906, 0.2651, 0.3692



79.8610, 0.2591, 0.3784



68.4073, 0.2445, 0.2983



20.3885, 0.3018, 0.3358



39.1790, 0.2511, 0.4239



3.8335, 0.2477, 0.4117

Inverse Universe

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



41.4489, 0.4046, 0.2939



35.1810, 0.4328, 0.2885



48.4957, 0.4289, 0.3564



18.0717, 0.3250, 0.3223



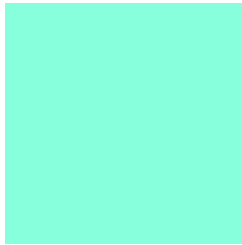
11.3768, 0.5827, 0.2984



1.1255, 0.5507, 0.2807

Previews

White Background



This preview shows how the Yxy color 81.8914, 0.2651, 0.3692 looks on a white background.

Color Contrast Check

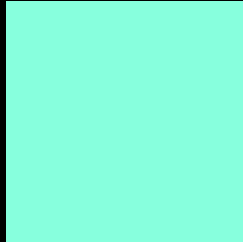
Large Text (above 18pt) WCAG AA × Fail

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 81.8914, 0.2651, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

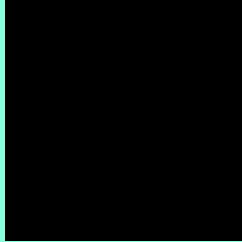
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

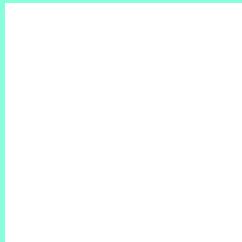
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8914, 0.2651, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 81.8914, 0.2651, 0.3692.

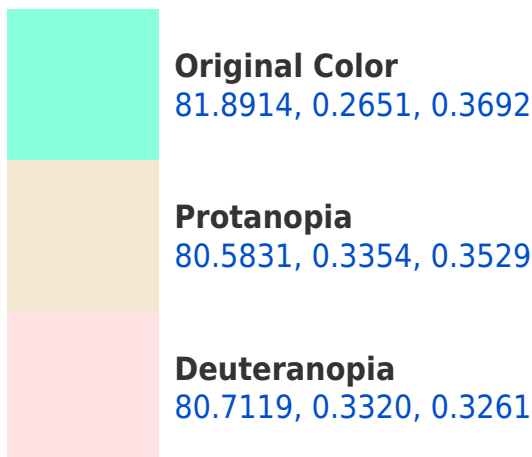


This preview shows how white text looks on a background with the Yxy color 81.8914, 0.2651, 0.3692.

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

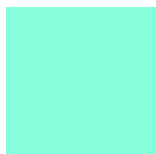




Tritanopia

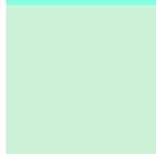
81.1634, 0.2717, 0.3148

Trichromacy



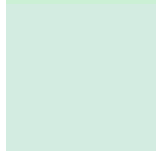
Original Color

81.8914, 0.2651, 0.3692



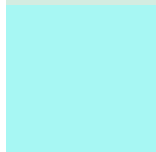
Protanomaly

79.8208, 0.3048, 0.3589



Deuteranomaly

79.2760, 0.3029, 0.3409



Tritanomaly

81.2081, 0.2684, 0.3334

Monochromacy



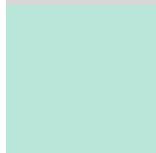
Original Color

81.8914, 0.2651, 0.3692



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0425, 0.2916, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8914, 0.2651, 0.3692 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(135, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 221)  
}
```

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(135, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 81.8914, 0.2651, 0.3692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

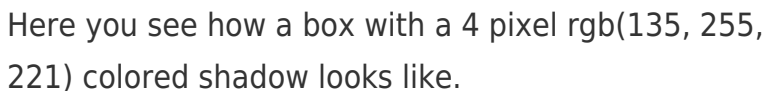
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 255, 221) }
```

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

```
.border{ border-color:rgb(135, 255, 221) }
```

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



Here you see how a box with a 4 pixel rgb(135, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8914, 0.2651, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 221) }
```

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

```
.background{ background-color: rgb(135,  
255, 221) }
```

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