

Converting Colors

$Yxy(87.5213, 0.2799, 0.3966)$

Have a look what the booklet for
Yxy(87.5213, 0.2799, 0.3966)
contains.

| | |
|---|----|
| Yxy(82.3173, 0.2791, 0.3883) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(82.3173, 0.2791, 0.3883)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 95FFCD |
| RGB | 149, 255, 205 |
| RGB Percent | 58%, 100%, 80% |
| CMY | 0.4158, 0.0000, 0.1962 |
| CMYK | 0.42, 0.00, 0.20, 0.00 |
| HSL | 152°, 100%, 79% |
| HSV | 152°, 42%, 100% |
| XYZ | 59.1675, 82.3173, 70.5092 |
| YIQ | 217.6060, -47.1260, -38.0220 |

Conversions

Conversions Part 2

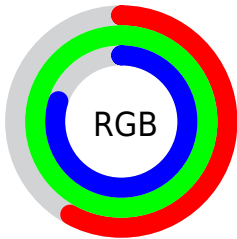
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 149, 218, 255 |
| Decimal | 9830349 |
| CIELab | 92.71, -41.67, 14.41 |
| CIELCh | 93, 44.093, 160.928 |
| Yxy | 82.3173, 0.2791, 0.3883 |
| Android (android.graphics.Color) | 4288020429 (0xFF95FFCD) |
| YUV | 217.6060, -6.2148, -60.1675 |
| Hunter-Lab | 90.7289, -42.3693, 17.4335 |

Details

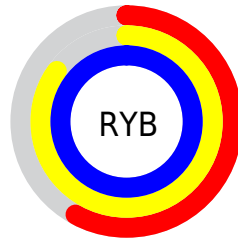
The Yxy color **82.3173, 0.2791, 0.3883** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.8714, 0.3687, 0.2774**, and the grayscale version is **69.8857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **44.8978, 0.2709, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **79.6138, 0.2733, 0.4058**, and if you desaturate by 10%, it is **85.5836, 0.2861, 0.3719**.

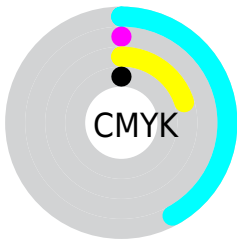
Distribution



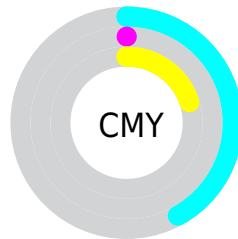
- Red (58%)
- Green (100%)
- Blue (80%)



- Red (58%)
- Yellow (85%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3173, 0.2791, 0.3883 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 82.3173, 0.2791, 0.3883 by changing the saturation by 10% instead.


 82.3173, 0.2791,
0.3883


 82.3173, 0.2791,
0.3883


502.7084, 0.2949,
0.3603

 61.6271, 0.2755,
0.3948


 136.6189, 0.2846,
0.3785

 44.7315, 0.2709,
0.4030

 170.9991, 0.2867,
0.3747

 31.2460, 0.2652,
0.4134


210.7113, 0.2886,
0.3714

 20.7862, 0.2576,
0.4272

256.1402, 0.2901,
0.3686

 12.9678, 0.2472,
0.4462

307.6699, 0.2915,
0.3661

 7.4064, 0.2321,
0.4743


365.6849, 0.2928,


 3.7175, 0.2084,


0.3640


0.5191


430.5696, 0.2939,
0.3620


 1.5168, 0.1357,
0.6420


 0.3005, 0.0000,
1.0000

 82.3173, 0.2791,
0.3883

 82.3173, 0.2791,
0.3883


 79.6138, 0.2733,
0.4058


 85.5836, 0.2861,
0.3719


 77.4478, 0.2690,
0.4241

 89.4554, 0.2940,
0.3568

 75.7760, 0.2666,
0.4429

 93.9594, 0.3025,
0.3431

 74.5528, 0.2663,
0.4616

 99.1233, 0.3113,
0.3308

■ 73.7232, 0.2679,
0.4797

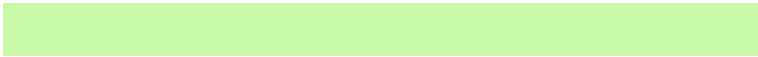
100.0000, 0.3127,
0.3290

■ 73.2602, 0.2707,
0.4943

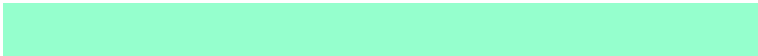
Harmonies

Analogous

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



82.3173, 0.3285, 0.4183



82.3173, 0.2791, 0.3883



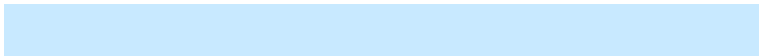
82.3173, 0.2407, 0.3388

Triad

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



82.3173, 0.2791, 0.3883



82.3173, 0.2485, 0.2479



82.3173, 0.4131, 0.3537

Complementary

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



82.3173, 0.2791, 0.3883



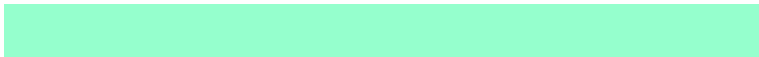
46.8714, 0.3687, 0.2774

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.



82.3173, 0.3886, 0.3136



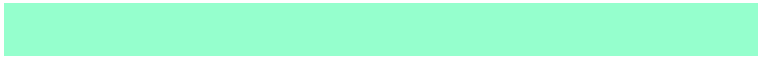
82.3173, 0.2791, 0.3883



82.3173, 0.2904, 0.2554

Square

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



82.3173, 0.2791, 0.3883



82.3173, 0.2246, 0.2595



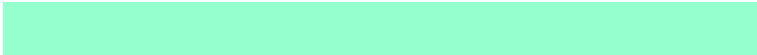
82.3173, 0.3421, 0.2788



82.3173, 0.4077, 0.3917

Rectangle

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



82.3173, 0.2791, 0.3883



82.3173, 0.2257, 0.3056



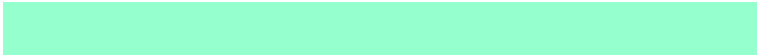
82.3173, 0.3421, 0.2788



82.3173, 0.4081, 0.3402

Sweetspot

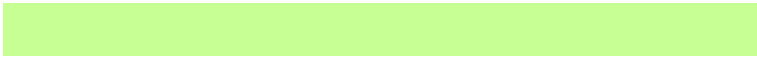
The Sweet Spot groups the original color and five complimentary colors.



82.3139, 0.2791, 0.3883



93.7560, 0.3022, 0.3437



85.9991, 0.3377, 0.4464



19.9346, 0.3010, 0.3454



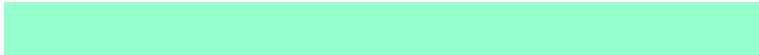
0.0000, 0.0000, 0.0000



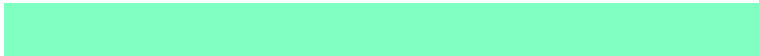
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3139, 0.2791, 0.3883



80.0033, 0.2741, 0.4030



84.0052, 0.2554, 0.3269



20.3285, 0.3043, 0.3404



38.3105, 0.2699, 0.4915



3.7523, 0.2643, 0.4715

Inverse Universe

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



46.8714, 0.3687, 0.2774



40.1845, 0.3857, 0.2675



45.4802, 0.4201, 0.3312



18.1298, 0.3220, 0.3178



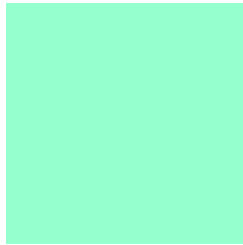
11.8511, 0.5084, 0.2574



1.1758, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 82.3173, 0.2791, 0.3883 looks on a white background.

Color Contrast Check

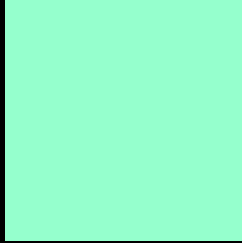
Large Text (above 18pt) WCAG AA × Fail

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 82.3173, 0.2791, 0.3883 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 82.3173, 0.2791, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 82.3173, 0.2791, 0.3883.

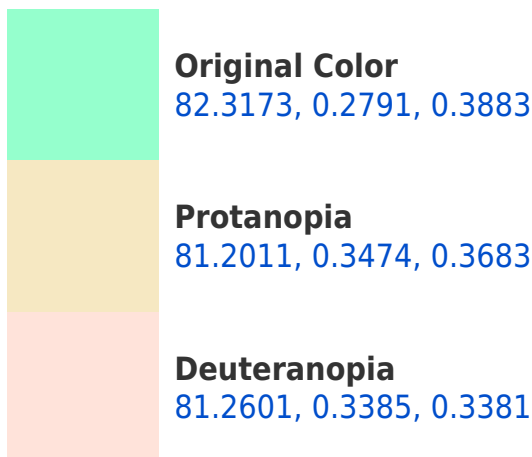


This preview shows how white text looks on a background with the Yxy color 82.3173, 0.2791, 0.3883.

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

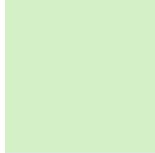
81.9307, 0.2750, 0.3150

Trichromacy



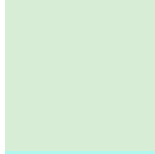
Original Color

82.3173, 0.2791, 0.3883



Protanomaly

80.2463, 0.3191, 0.3754



Deuteranomaly

79.9714, 0.3135, 0.3550



Tritanomaly

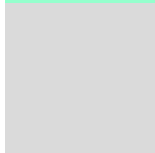
81.8661, 0.2760, 0.3401

Monochromacy



Original Color

82.3173, 0.2791, 0.3883



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.2934, 0.2985, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3173, 0.2791, 0.3883 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(149, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 205)  
}
```

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(149, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 82.3173, 0.2791, 0.3883 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(149, 255, 205) }
```

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

```
.border{ border-color:rgb(149, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3173, 0.2791, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 205) }
```

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

```
.background{ background-color: rgb(149,  
255, 205) }
```

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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