

Converting Colors

$Yxy(82.9221, 0.2788, 0.3822)$

Have a look what the booklet for
Yxy(82.9221, 0.2788, 0.3822)
contains.

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Color

Yxy(82.9454, 0.2786, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	99FFD2
RGB	153, 255, 210
RGB Percent	60%, 100%, 82%
CMY	0.4000, 0.0000, 0.1766
CMYK	0.40, 0.00, 0.18, 0.00
HSL	154°, 100%, 80%
HSV	154°, 40%, 100%
XYZ	60.5254, 82.9454, 73.7775
YIQ	219.3720, -46.3470, -35.6190

Conversions

Conversions Part 2

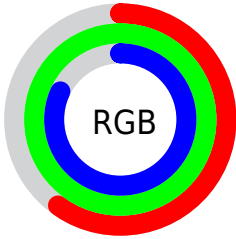
Format	Color
RYB	153, 218, 255
Decimal	10092498
CIELab	92.99, -39.62, 12.25
CIElCh	93, 41.471, 162.819
Yxy	82.9454, 0.2786, 0.3818
Android (android.graphics.Color)	4288282578 (0xFF99FFD2)
YUV	219.3720, -4.6204, -58.2082
Hunter-Lab	91.0744, -40.7542, 15.7224

Details

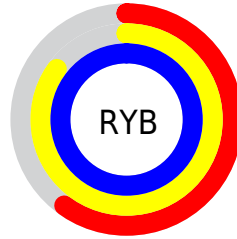
The Yxy color **82.9454, 0.2786, 0.3818** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1164, 0.3688, 0.2825**, and the grayscale version is **71.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.2415, 0.2707, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **80.1804, 0.2723, 0.3979**, and if you desaturate by 10%, it is **86.2757, 0.2861, 0.3667**.

Distribution



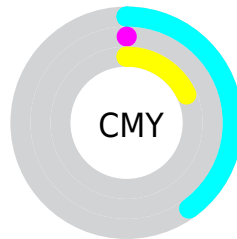
- Red (60%)
- Green (100%)
- Blue (82%)



- Red (60%)
- Yellow (85%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9454, 0.2786, 0.3818 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 82.9454, 0.2786, 0.3818 by changing the saturation by 10% instead.


 82.9454, 0.2786,
0.3818


 82.9454, 0.2786,
0.3818

504.8045, 0.2944,
0.3570

 62.1451, 0.2750,
0.3875


 137.4990, 0.2841,
0.3731

 45.1500, 0.2705,
0.3947


 172.0211, 0.2862,
0.3698

 31.5756, 0.2648,
0.4038


211.8859, 0.2881,
0.3669

 21.0375, 0.2574,
0.4158

257.4778, 0.2897,
0.3644

 13.1514, 0.2472,
0.4324

309.1812, 0.2911,
0.3622

 7.5329, 0.2327,
0.4566


367.3806, 0.2923,


 3.7975, 0.2101,

0.3603

0.4951


432.4602, 0.2934,
0.3586


 1.5610, 0.1497,
0.5846


 0.3311, 0.0000,
1.0000


 82.9454, 0.2786,
0.3818


 82.9454, 0.2786,
0.3818

 80.1804, 0.2723,
0.3979


 86.2757, 0.2861,
0.3667

 77.9522, 0.2675,
0.4149

 90.2096, 0.2945,
0.3529

 76.2198, 0.2645,
0.4323

 94.7744, 0.3035,
0.3403

 74.9388, 0.2636,
0.4499

99.9975, 0.3127,
0.3290

■ 74.0563, 0.2648,
0.4670

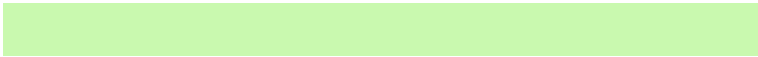
100.0000, 0.3127,
0.3290

■ 73.4868, 0.2677,
0.4835

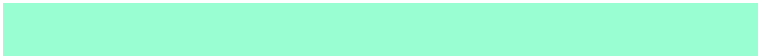
Harmonies

Analogous

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



82.9454, 0.3248, 0.4114



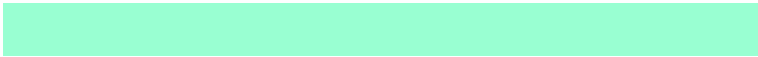
82.9454, 0.2786, 0.3818



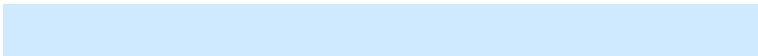
82.9454, 0.2433, 0.3353

Triad

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



82.9454, 0.2786, 0.3818



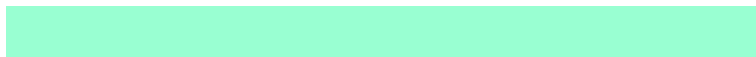
82.9454, 0.2543, 0.2524



82.9454, 0.4074, 0.3551

Complementary

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



82.9454, 0.2786, 0.3818



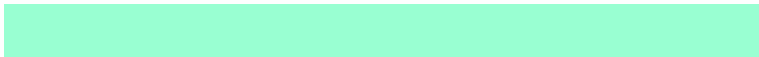
48.1164, 0.3688, 0.2825

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.



82.9454, 0.3860, 0.3170



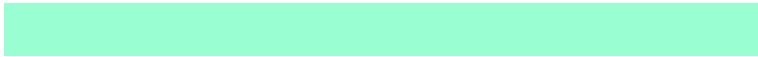
82.9454, 0.2786, 0.3818



82.9454, 0.2948, 0.2604

Square

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



82.9454, 0.2786, 0.3818



82.9454, 0.2304, 0.2624



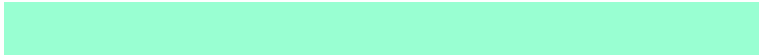
82.9454, 0.3435, 0.2835



82.9454, 0.4008, 0.3903

Rectangle

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



82.9454, 0.2786, 0.3818



82.9454, 0.2298, 0.3047



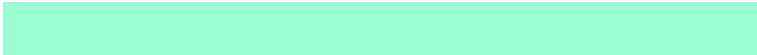
82.9454, 0.3435, 0.2835



82.9454, 0.4033, 0.3423

Sweetspot

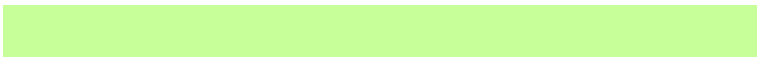
The Sweet Spot groups the original color and five complimentary colors.



82.9433, 0.2786, 0.3818



93.8118, 0.3016, 0.3427



85.9471, 0.3348, 0.4424



19.9477, 0.3005, 0.3443



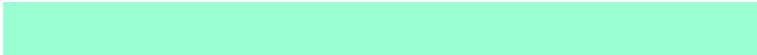
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

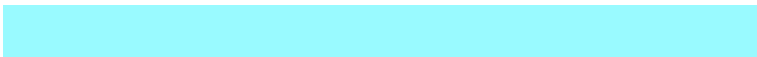
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9433, 0.2786, 0.3818



80.6902, 0.2734, 0.3946



82.2999, 0.2565, 0.3231



20.3381, 0.3039, 0.3397



38.4290, 0.2669, 0.4808



3.7637, 0.2616, 0.4619

Inverse Universe

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



48.1164, 0.3688, 0.2825



41.4973, 0.3856, 0.2735



48.0436, 0.4126, 0.3347



18.1203, 0.3225, 0.3186



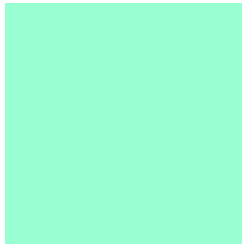
11.7553, 0.5213, 0.2645



1.1661, 0.4928, 0.2489

Previews

White Background



This preview shows how the Yxy color 82.9454, 0.2786, 0.3818 looks on a white background.

Color Contrast Check

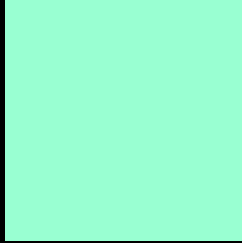
Large Text (above 18pt) WCAG AA × Fail

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 82.9454, 0.2786, 0.3818 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 82.9454, 0.2786, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 82.9454, 0.2786, 0.3818.

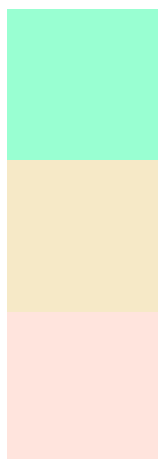


This preview shows how white text looks on a background with the Yxy color 82.9454, 0.2786, 0.3818.

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

82.9454, 0.2786, 0.3818

Protanopia

81.9942, 0.3439, 0.3641

Deuteranopia

81.9673, 0.3363, 0.3361



Tritanopia

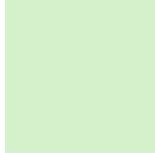
82.3264, 0.2767, 0.3150

Trichromacy



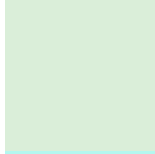
Original Color

82.9454, 0.2786, 0.3818



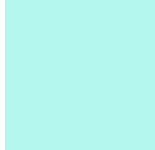
Protanomaly

81.2194, 0.3167, 0.3707



Deuteranomaly

81.0643, 0.3123, 0.3516



Tritanomaly

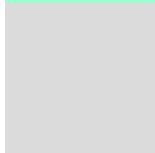
82.4568, 0.2772, 0.3378

Monochromacy



Original Color

82.9454, 0.2786, 0.3818



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2732, 0.2980, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9454, 0.2786, 0.3818 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(153, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 210)  
}
```

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(153, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 82.9454, 0.2786, 0.3818 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(153, 255, 210) }
```

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

```
.border{ border-color:rgb(153, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9454, 0.2786, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 210) }
```

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

```
.background{ background-color: rgb(153,  
255, 210) }
```

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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