

Converting Colors

$Y_{xy}(100.0000, 0.2818, 0.4129)$

Have a look what the booklet for
Yxy(100.0000, 0.2818, 0.4129)
contains.

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Color

Yxy(82.4603, 0.2791, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	96FFCE
RGB	150, 255, 206
RGB Percent	59%, 100%, 81%
CMY	0.4116, 0.0000, 0.1921
CMYK	0.41, 0.00, 0.19, 0.00
HSL	152°, 100%, 79%
HSV	152°, 41%, 100%
XYZ	59.4848, 82.4603, 71.1857
YIQ	218.0190, -46.8510, -37.4990

Conversions

Conversions Part 2

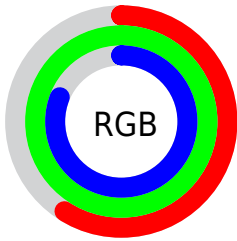
Format	Color
RYB	150, 218, 255
Decimal	9895886
CIELab	92.78, -41.18, 13.96
CIELCh	93, 43.486, 161.269
Yxy	82.4603, 0.2791, 0.3869
Android (android.graphics.Color)	4288085966 (0xFF96FFCE)
YUV	218.0190, -5.9254, -59.6527
Hunter-Lab	90.8077, -41.9845, 17.0869

Details

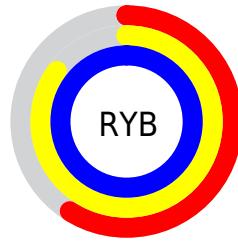
The Yxy color **82.4603, 0.2791, 0.3869** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.2084, 0.3684, 0.2785**, and the grayscale version is **70.1990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **44.9823, 0.2709, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **79.7446, 0.2732, 0.4042**, and if you desaturate by 10%, it is **85.7528, 0.2862, 0.3708**.

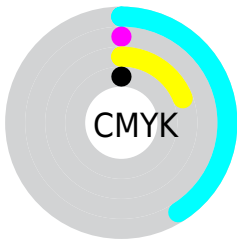
Distribution



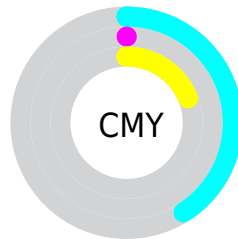
- Red (59%)
- Green (100%)
- Blue (81%)



- Red (59%)
- Yellow (85%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4603, 0.2791, 0.3869 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 82.4603, 0.2791, 0.3869 by changing the saturation by 10% instead.

 82.4603, 0.2791,
0.3869


 82.4603, 0.2791,
0.3869


503.1861, 0.2948,
0.3596

 61.7450, 0.2755,
0.3933

 136.8193, 0.2846,
0.3773

 44.8267, 0.2710,
0.4012

 171.2318, 0.2867,
0.3736

 31.3209, 0.2653,
0.4113


210.9789, 0.2885,
0.3705

 20.8434, 0.2577,
0.4247

256.4449, 0.2901,
0.3677

 13.0096, 0.2474,
0.4432

308.0142, 0.2915,
0.3653

 7.4351, 0.2325,
0.4704

366.0712, 0.2927,

 3.7357, 0.2091,

0.3632

431.0004, 0.2938,
0.3613

0.5139

1.5268, 0.1396,
0.6283

0.3075, 0.0000,
1.0000

82.4603, 0.2791,
0.3869

82.4603, 0.2791,
0.3869

79.7446, 0.2732,
0.4042

85.7528, 0.2862,
0.3708

77.5603, 0.2688,
0.4223

89.6444, 0.2942,
0.3559

75.8710, 0.2663,
0.4408

94.1683, 0.3028,
0.3424

74.6315, 0.2658,
0.4593

99.3523, 0.3117,
0.3303

■ 73.7874, 0.2674,
0.4773

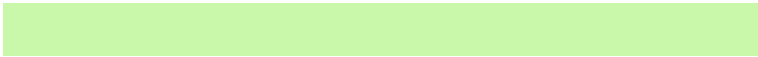
99.9989, 0.3127,
0.3290

■ 73.2967, 0.2701,
0.4925

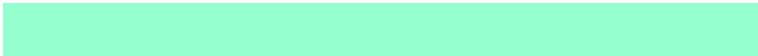
Harmonies

Analogous

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



82.4603, 0.3278, 0.4168



82.4603, 0.2791, 0.3869



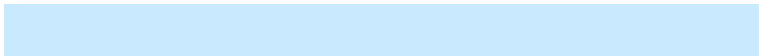
82.4603, 0.2414, 0.3381

Triad

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



82.4603, 0.2791, 0.3869



82.4603, 0.2497, 0.2490



82.4603, 0.4118, 0.3540

Complementary

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



82.4603, 0.2791, 0.3869



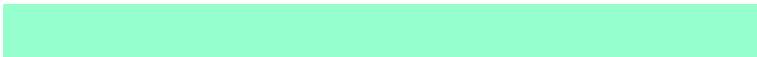
47.2084, 0.3684, 0.2785

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.



82.4603, 0.3879, 0.3143



82.4603, 0.2791, 0.3869



82.4603, 0.2913, 0.2565

Square

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



82.4603, 0.2791, 0.3869



82.4603, 0.2259, 0.2602



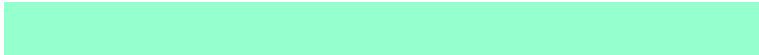
82.4603, 0.3423, 0.2798



82.4603, 0.4062, 0.3913

Rectangle

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



82.4603, 0.2791, 0.3869



82.4603, 0.2267, 0.3055



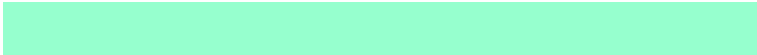
82.4603, 0.3423, 0.2798



82.4603, 0.4070, 0.3406

Sweetspot

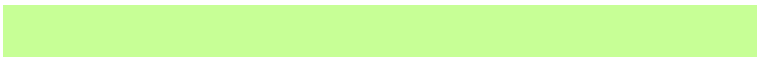
The Sweet Spot groups the original color and five complimentary colors.



82.4637, 0.2791, 0.3869



93.7655, 0.3021, 0.3435



85.8668, 0.3364, 0.4456



19.9368, 0.3009, 0.3452



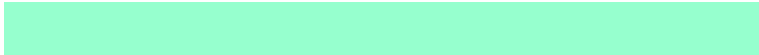
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

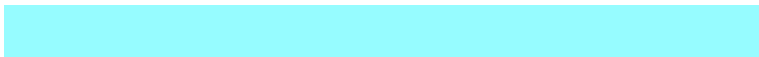
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4637, 0.2791, 0.3869



80.2870, 0.2743, 0.4004



83.0143, 0.2555, 0.3249



20.3302, 0.3043, 0.3403



38.3302, 0.2694, 0.4897



3.7542, 0.2639, 0.4699

Inverse Universe

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



47.2084, 0.3684, 0.2785



40.8847, 0.3843, 0.2693



46.4211, 0.4177, 0.3330



18.1282, 0.3221, 0.3180



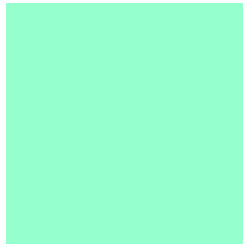
11.8341, 0.5106, 0.2586



1.1741, 0.4834, 0.2437

Previews

White Background



This preview shows how the Yxy color 82.4603, 0.2791, 0.3869 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 82.4603, 0.2791, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

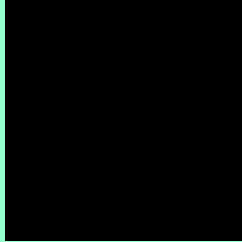
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4603, 0.2791, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 82.4603, 0.2791, 0.3869.

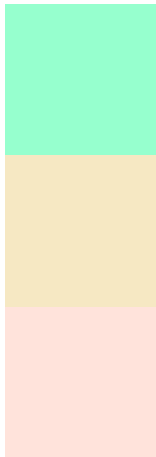


This preview shows how white text looks on a background with the Yxy color 82.4603, 0.2791, 0.3869.

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

82.4603, 0.2791, 0.3869

Protanopia

81.2462, 0.3468, 0.3673

Deuteranopia

81.3126, 0.3378, 0.3371



Tritanopia

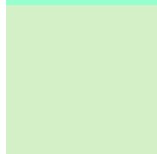
82.0617, 0.2756, 0.3150

Trichromacy



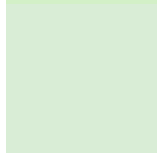
Original Color

82.4603, 0.2791, 0.3869



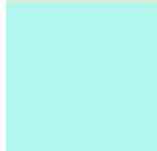
Protanomaly

80.2926, 0.3185, 0.3742



Deuteranomaly

80.1751, 0.3135, 0.3539



Tritanomaly

81.9831, 0.2766, 0.3400

Monochromacy



Original Color

82.4603, 0.2791, 0.3869



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3443, 0.2979, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4603, 0.2791, 0.3869 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(150, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 206)  
}
```

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(150, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 82.4603, 0.2791, 0.3869 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(150, 255, 206) }
```

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

```
.border{ border-color:rgb(150, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4603, 0.2791, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 206) }
```

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

```
.background{ background-color: rgb(150,  
255, 206) }
```

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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