

Converting Colors

$Y_{xy}(155.2475, 0.2900, 0.4734)$

Have a look what the booklet for
Yxy(155.2475, 0.2900, 0.4734)
contains.

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Color

Yxy(82.1305, 0.2840, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	97FFC5
RGB	151, 255, 197
RGB Percent	59%, 100%, 77%
CMY	0.4081, 0.0000, 0.2275
CMYK	0.41, 0.00, 0.23, 0.00
HSL	147°, 100%, 80%
HSV	147°, 41%, 100%
XYZ	58.5910, 82.1305, 65.5847
YIQ	217.2920, -43.3660, -40.0860

Conversions

Conversions Part 2

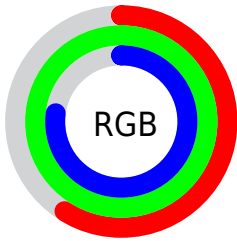
Format	Color
RYB	151, 223, 255
Decimal	9961413
CIELab	92.63, -42.71, 18.39
CIElCh	93, 46.501, 156.702
Yxy	82.1305, 0.2840, 0.3981
Android (android.graphics.Color)	4288151493 (0xFF97FFC5)
YUV	217.2920, -10.0040, -58.1381
Hunter-Lab	90.6259, -43.1924, 20.5307

Details

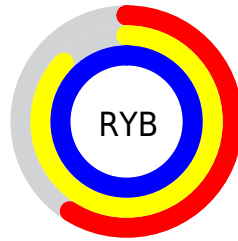
The Yxy color **82.1305, 0.2840, 0.3981** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.9732, 0.3585, 0.2696**, and the grayscale version is **69.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2311, 0.2860, 0.3300**, and **44.7510, 0.2767, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **79.3228, 0.2789, 0.4189**, and if you desaturate by 10%, it is **85.5148, 0.2902, 0.3786**.

Distribution



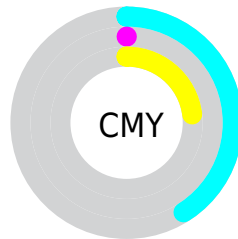
- Red (59%)
- Green (100%)
- Blue (77%)



- Red (59%)
- Yellow (87%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1305, 0.2840, 0.3981 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 82.1305, 0.2840, 0.3981 by changing the saturation by 10% instead.

 82.1305, 0.2840,
0.3981

 82.1305, 0.2840,
0.3981


502.0841, 0.2978,
0.3652

 61.4731, 0.2808,
0.4058


 136.3570, 0.2889,
0.3865

 44.6071, 0.2767,
0.4154


 170.6949, 0.2907,
0.3821

 31.1481, 0.2714,
0.4278


210.3617, 0.2923,
0.3783

 20.7116, 0.2645,
0.4442

255.7419, 0.2937,
0.3750

 12.9134, 0.2547,
0.4670

307.2199, 0.2949,
0.3721

 7.3689, 0.2402,
0.5005

365.1799, 0.2960,


 3.6939, 0.2166,


0.3695


0.5544


430.0066, 0.2969,
0.3673

 1.5038, 0.1414,
0.7418


 0.2914, 0.0000,
1.0000


 82.1305, 0.2840,
0.3981


 82.1305, 0.2840,
0.3981


 79.3228, 0.2789,
0.4189


 85.5148, 0.2902,
0.3786


 77.0742, 0.2752,
0.4408

 89.5271, 0.2971,
0.3607

 75.3382, 0.2733,
0.4629

 94.1917, 0.3045,
0.3445

 74.0691, 0.2734,
0.4847

 99.5369, 0.3121,
0.3301

■ 73.2119, 0.2754,
0.5055

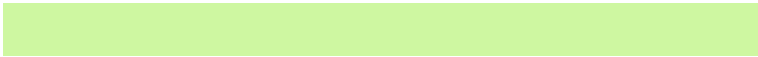
100.0000, 0.3127,
0.3290

■ 72.7093, 0.2786,
0.5230

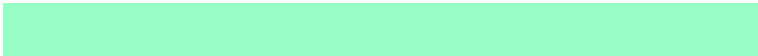
Harmonies

Analogous

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



82.1305, 0.3366, 0.4254



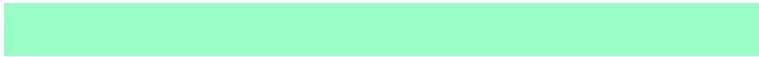
82.1305, 0.2840, 0.3981



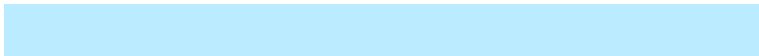
82.1305, 0.2415, 0.3469

Triad

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



82.1305, 0.2840, 0.3981



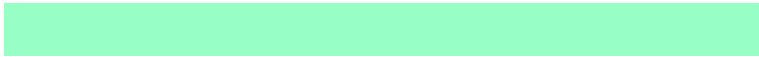
82.1305, 0.2404, 0.2443



82.1305, 0.4170, 0.3486

Complementary

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



82.1305, 0.2840, 0.3981



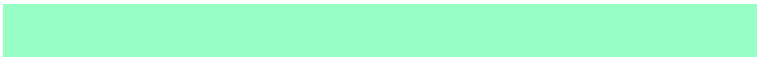
47.9732, 0.3585, 0.2696

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.



82.1305, 0.3869, 0.3070



82.1305, 0.2840, 0.3981



82.1305, 0.2820, 0.2496

Square

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



82.1305, 0.2840, 0.3981



82.1305, 0.2184, 0.2591



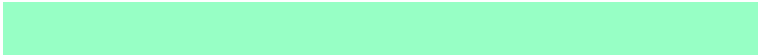
82.1305, 0.3359, 0.2720



82.1305, 0.4155, 0.3894

Rectangle

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



82.1305, 0.2840, 0.3981



82.1305, 0.2237, 0.3111



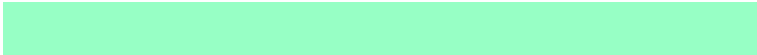
82.1305, 0.3359, 0.2720



82.1305, 0.4102, 0.3344

Sweetspot

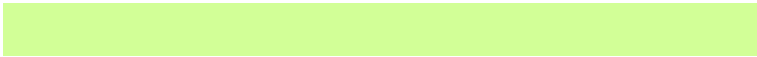
The Sweet Spot groups the original color and five complimentary colors.



82.1243, 0.2840, 0.3981



93.6010, 0.3036, 0.3464



87.4401, 0.3431, 0.4419



19.8982, 0.3026, 0.3484



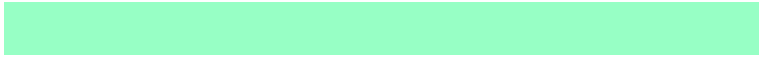
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1243, 0.2840, 0.3981



79.7876, 0.2797, 0.4151



84.8744, 0.2596, 0.3366



20.3018, 0.3055, 0.3426



38.0211, 0.2778, 0.5200



3.7235, 0.2716, 0.4979

Inverse Universe

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



47.9732, 0.3585, 0.2696



41.3945, 0.3719, 0.2582



45.8371, 0.4107, 0.3220



18.1566, 0.3206, 0.3158



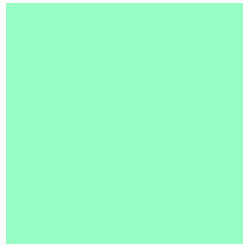
12.1619, 0.4721, 0.2375



1.2062, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 82.1305, 0.2840, 0.3981 looks on a white background.

Color Contrast Check

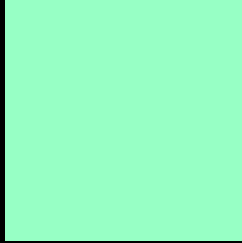
Large Text (above 18pt) WCAG AA × Fail

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 82.1305, 0.2840, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

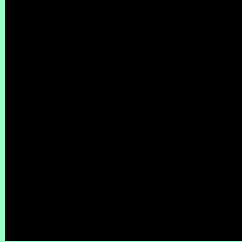
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

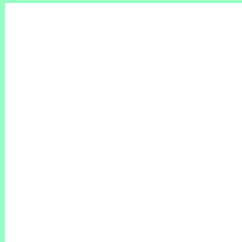
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1305, 0.2840, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 82.1305, 0.2840, 0.3981.

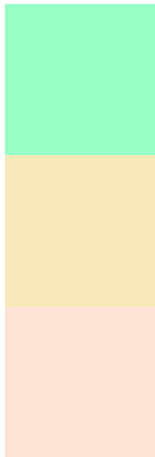


This preview shows how white text looks on a background with the Yxy color 82.1305, 0.2840, 0.3981.

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

82.1305, 0.2840, 0.3981

Protanopia

81.0326, 0.3535, 0.3766

Deuteranopia

81.0532, 0.3413, 0.3421



Tritanopia

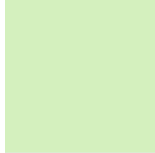
81.3371, 0.2749, 0.3139

Trichromacy



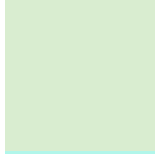
Original Color

82.1305, 0.2840, 0.3981



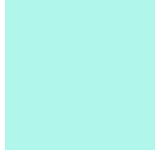
Protanomaly

80.0349, 0.3247, 0.3843



Deuteranomaly

79.8742, 0.3172, 0.3605



Tritanomaly

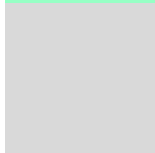
81.1992, 0.2780, 0.3424

Monochromacy



Original Color

82.1305, 0.2840, 0.3981



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1424, 0.3003, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1305, 0.2840, 0.3981 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(151, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 197)  
}
```

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(151, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.1305, 0.2840, 0.3981 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(151, 255, 197) }
```

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

```
.border{ border-color:rgb(151, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 255, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 255, 197); box-shadow:4px 4px 4px 4px rgb(151, 255, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1305, 0.2840, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 197) }
```

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

```
.background{ background-color: rgb(151,  
255, 197) }
```

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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