

Converting Colors

$Yxy(81.0283, 0.2769, 0.3686)$

Have a look what the booklet for
Yxy(81.0283, 0.2769, 0.3686)
contains.

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Color

Yxy(81.1722, 0.2767, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	9DFBD9
RGB	157, 251, 217
RGB Percent	62%, 98%, 85%
CMY	0.3841, 0.0157, 0.1490
CMYK	0.37, 0.00, 0.14, 0.02
HSL	158°, 92%, 80%
HSV	158°, 37%, 98%
XYZ	60.9342, 81.1722, 78.1112
YIQ	219.0180, -45.1100, -30.5020

Conversions

Conversions Part 2

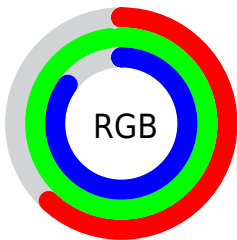
Format	Color
RYB	157, 214, 251
Decimal	10353625
CIELab	92.21, -35.28, 7.53
CIELCh	92, 36.076, 167.957
Yxy	81.1722, 0.2767, 0.3686
Android (android.graphics.Color)	4288543705 (0xFF9DFBD9)
YUV	219.0180, -0.9949, -54.3898
Hunter-Lab	90.0956, -36.9427, 11.6636

Details

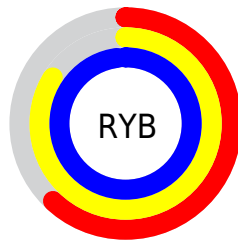
The Yxy color **81.1722, 0.2767, 0.3686** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4017, 0.3711, 0.2932**, and the grayscale version is **70.8915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **43.9589, 0.2684, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **78.4443, 0.2693, 0.3814**, and if you desaturate by 10%, it is **84.4512, 0.2853, 0.3567**.

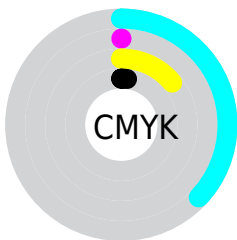
Distribution



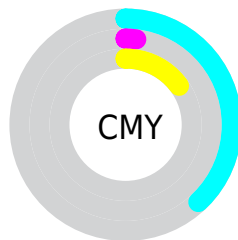
- Red (62%)
- Green (98%)
- Blue (85%)



- Red (62%)
- Yellow (84%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1722, 0.2767, 0.3686 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 81.1722, 0.2767, 0.3686 by changing the saturation by 10% instead.

 81.1722, 0.2767,
0.3686


 81.1722, 0.2767,
0.3686


498.8745, 0.2932,
0.3501

 60.6834, 0.2730,
0.3728


 135.0125, 0.2824,
0.3622

 43.9697, 0.2683,
0.3781


 169.1329, 0.2846,
0.3597

 30.6467, 0.2625,
0.3848


208.5659, 0.2866,
0.3575

 20.3300, 0.2549,
0.3936

253.6959, 0.2882,
0.3557

 12.6351, 0.2447,
0.4057

304.9074, 0.2897,
0.3540

 7.1778, 0.2302,
0.4232

362.5848, 0.2910,

 3.5735, 0.2079,

0.3526

0.4509

427.1123, 0.2922,
0.3513

■ 1.4380, 0.1508,
0.5124

■ 0.2445, 0.0000,
1.0000

■ 81.1722, 0.2767,
0.3686

■ 81.1722, 0.2767,
0.3686

■ 78.4443, 0.2693,
0.3814

■ 84.4512, 0.2853,
0.3567

■ 76.2254, 0.2633,
0.3949

■ 88.3012, 0.2949,
0.3457

■ 74.4827, 0.2592,
0.4088

■ 92.7528, 0.3050,
0.3357

■ 73.1755, 0.2571,
0.4230

■ 97.3648, 0.3139,
0.3268

■ 72.2560, 0.2570,
0.4371

■ 97.4720, 0.3129,
0.3252

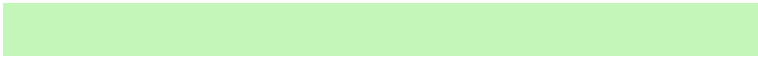
■ 71.6617, 0.2589,
0.4510

■ 71.5375, 0.2596,
0.4545

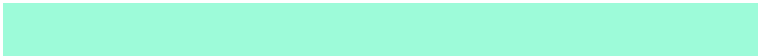
Harmonies

Analogous

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



81.1722, 0.3166, 0.3977



81.1722, 0.2767, 0.3686



81.1722, 0.2477, 0.3277

Triad

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



81.1722, 0.2767, 0.3686



81.1722, 0.2665, 0.2613



81.1722, 0.3964, 0.3584

Complementary

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



81.1722, 0.2767, 0.3686



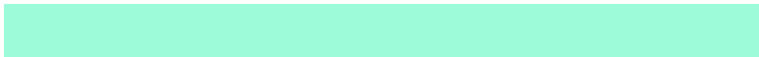
48.4017, 0.3711, 0.2932

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.



81.1722, 0.3817, 0.3245



81.1722, 0.2767, 0.3686



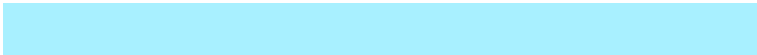
81.1722, 0.3043, 0.2708

Square

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



81.1722, 0.2767, 0.3686



81.1722, 0.2423, 0.2677



81.1722, 0.3470, 0.2933



81.1722, 0.3869, 0.3879

Rectangle

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



81.1722, 0.2767, 0.3686



81.1722, 0.2376, 0.3019



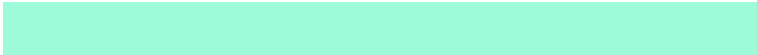
81.1722, 0.3470, 0.2933



81.1722, 0.3942, 0.3472

Sweetspot

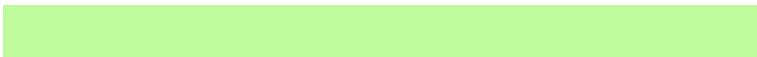
The Sweet Spot groups the original color and five complimentary colors.



81.1755, 0.2767, 0.3686



94.4264, 0.3013, 0.3392



82.5687, 0.3285, 0.4361



20.0758, 0.2999, 0.3405



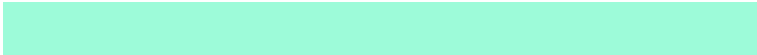
0.0000, 0.0000, 0.0000



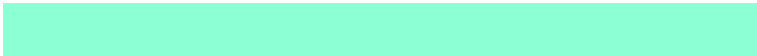
21.4041, 0.3127, 0.3290

Same Dimension

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



81.1755, 0.2767, 0.3686



81.9465, 0.2709, 0.3783



75.5608, 0.2583, 0.3146



19.4958, 0.3029, 0.3377



37.6332, 0.2589, 0.4522



3.5058, 0.2544, 0.4357

Inverse Universe

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



48.4017, 0.3711, 0.2932



43.4566, 0.3888, 0.2860



51.5347, 0.4001, 0.3427



17.3290, 0.3237, 0.3204



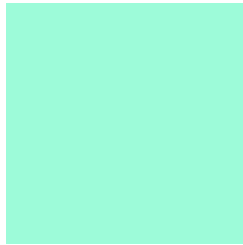
11.2009, 0.5535, 0.2823



1.0569, 0.5207, 0.2642

Previews

White Background



This preview shows how the Yxy color 81.1722, 0.2767, 0.3686 looks on a white background.

Color Contrast Check

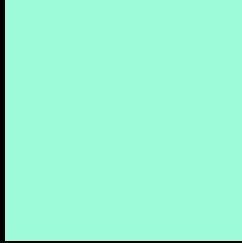
Large Text (above 18pt) WCAG AA × Fail

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 81.1722, 0.2767, 0.3686 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 81.1722, 0.2767, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 81.1722, 0.2767, 0.3686.

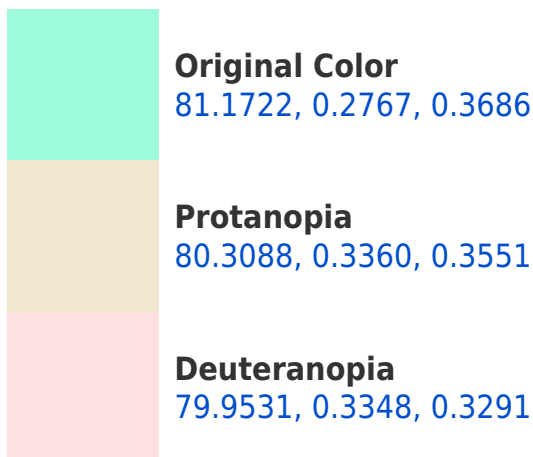


This preview shows how white text looks on a background with the Yxy color 81.1722, 0.2767, 0.3686.

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

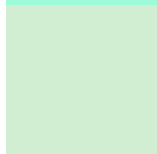
80.9494, 0.2733, 0.3138

Trichromacy



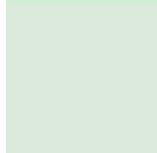
Original Color

81.1722, 0.2767, 0.3686



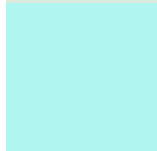
Protanomaly

79.5039, 0.3113, 0.3598



Deuteranomaly

79.1262, 0.3107, 0.3430



Tritanomaly

81.0028, 0.2743, 0.3333

Monochromacy



Original Color

81.1722, 0.2767, 0.3686



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.9495, 0.2974, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1722, 0.2767, 0.3686 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(157, 251, 217)` looks like.

```
.text, #text, p{  
    color:rgb(157, 251, 217)  
}
```

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(157, 251, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 217) }
```

Border

The CSS property to change the border of an element to Yxy 81.1722, 0.2767, 0.3686 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(157, 251, 217) }
```

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

```
.border{ border-color:rgb(157, 251, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 251, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 217);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1722, 0.2767, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 251, 217) }
```

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

```
.background{ background-color: rgb(157,  
251, 217) }
```

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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