

Converting Colors

$Yxy(81.3301, 0.2745, 0.3646)$

Have a look what the booklet for
Yxy(81.3301, 0.2745, 0.3646)
contains.

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Color

Yxy(81.2296, 0.2747, 0.3650)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9CFBDC |
| RGB | 156, 251, 220 |
| RGB Percent | 61%, 98%, 86% |
| CMY | 0.3881, 0.0157, 0.1372 |
| CMYK | 0.38, 0.00, 0.12, 0.02 |
| HSL | 160°, 92%, 80% |
| HSV | 160°, 38%, 98% |
| XYZ | 61.1336, 81.2296, 80.1836 |
| YIQ | 219.0610, -46.6690, -29.7810 |

Conversions

Conversions Part 2

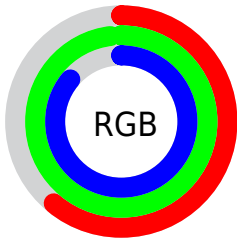
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 156, 213, 251 |
| Decimal | 10288092 |
| CIELab | 92.23, -34.92, 6.00 |
| CIELCh | 92, 35.434, 170.249 |
| Yxy | 81.2296, 0.2747, 0.3650 |
| Android (android.graphics.Color) | 4288478172 (0xFF9CFBDC) |
| YUV | 219.0610, 0.4629, -55.3045 |
| Hunter-Lab | 90.1275, -36.6462, 10.3407 |

Details

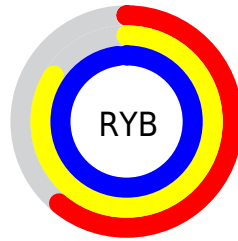
The Yxy color **81.2296, 0.2747, 0.3650** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.8873, 0.3753, 0.2963**, and the grayscale version is **70.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **44.0095, 0.2661, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **78.5582, 0.2670, 0.3765**, and if you desaturate by 10%, it is **84.4462, 0.2837, 0.3543**.

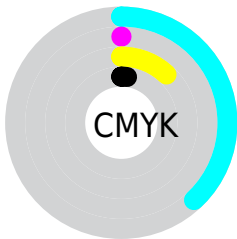
Distribution



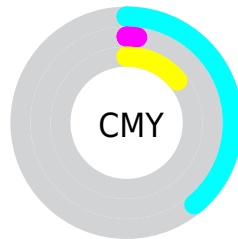
- Red (61%)
- Green (98%)
- Blue (86%)



- Red (61%)
- Yellow (84%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (39%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2296, 0.2747, 0.3650 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 81.2296, 0.2747, 0.3650 by changing the saturation by 10% instead.

 81.2296, 0.2747,
0.3650


 81.2296, 0.2747,
0.3650

499.0671, 0.2921,
0.3483

 60.7307, 0.2708,
0.3688


 135.0931, 0.2807,
0.3592

 44.0079, 0.2660,
0.3736


 169.2265, 0.2830,
0.3569

 30.6767, 0.2599,
0.3796


208.6736, 0.2851,
0.3550

 20.3528, 0.2520,
0.3874

253.8186, 0.2868,
0.3533

 12.6518, 0.2415,
0.3982

305.0461, 0.2884,
0.3518

 7.1892, 0.2265,
0.4137

362.7404, 0.2898,

 3.5807, 0.2038,

0.3505

427.2859, 0.2910,
0.3493

0.4380

1.4419, 0.1481,
0.4913

0.2473, 0.0000,
1.0000

81.2296, 0.2747,
0.3650

81.2296, 0.2747,
0.3650

78.5582, 0.2670,
0.3765

84.4462, 0.2837,
0.3543

76.3897, 0.2608,
0.3885

88.2277, 0.2936,
0.3444

74.6915, 0.2565,
0.4010

92.6049, 0.3042,
0.3354

73.4226, 0.2541,
0.4137

97.3296, 0.3142,
0.3273

■ 72.5350, 0.2539,
0.4263

■ 97.4723, 0.3129,
0.3252

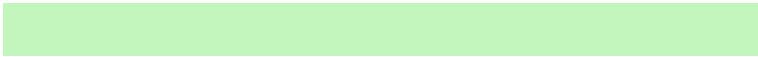
■ 71.9642, 0.2555,
0.4387

■ 71.8619, 0.2559,
0.4414

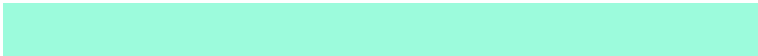
Harmonies

Analogous

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



81.2296, 0.3134, 0.3950



81.2296, 0.2747, 0.3650



81.2296, 0.2473, 0.3247

Triad

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



81.2296, 0.2747, 0.3650



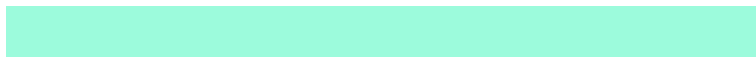
81.2296, 0.2698, 0.2626



81.2296, 0.3950, 0.3605

Complementary

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



81.2296, 0.2747, 0.3650



47.8873, 0.3753, 0.2963

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.



81.2296, 0.3823, 0.3272



81.2296, 0.2747, 0.3650



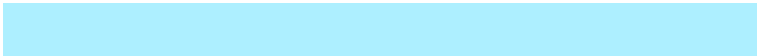
81.2296, 0.3077, 0.2730

Square

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



81.2296, 0.2747, 0.3650



81.2296, 0.2447, 0.2677



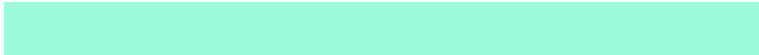
81.2296, 0.3494, 0.2961



81.2296, 0.3839, 0.3887

Rectangle

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



81.2296, 0.2747, 0.3650



81.2296, 0.2382, 0.2998



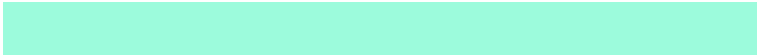
81.2296, 0.3494, 0.2961



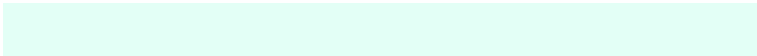
81.2296, 0.3934, 0.3496

Sweetspot

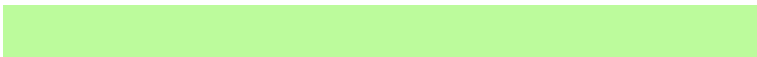
The Sweet Spot groups the original color and five complimentary colors.



81.2329, 0.2747, 0.3650



94.4875, 0.3008, 0.3382



82.0463, 0.3266, 0.4381



20.0903, 0.2993, 0.3394



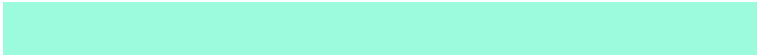
0.0000, 0.0000, 0.0000



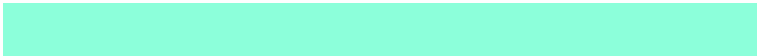
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2329, 0.2747, 0.3650



82.1568, 0.2690, 0.3732



73.5511, 0.2572, 0.3107



19.5066, 0.3024, 0.3369



37.8026, 0.2554, 0.4393



3.5207, 0.2512, 0.4245

Inverse Universe

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



47.8873, 0.3753, 0.2963



43.2907, 0.3932, 0.2902



52.3644, 0.4000, 0.3462



17.3186, 0.3242, 0.3213



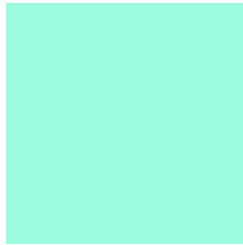
11.1233, 0.5671, 0.2898



1.0488, 0.5337, 0.2713

Previews

White Background



This preview shows how the Yxy color 81.2296, 0.2747, 0.3650 looks on a white background.

Color Contrast Check

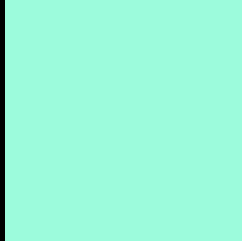
Large Text (above 18pt) WCAG AA × Fail

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 81.2296, 0.2747, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

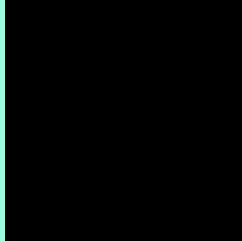
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

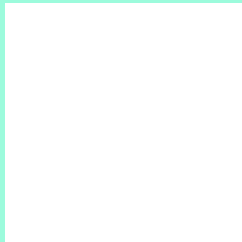
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2296, 0.2747, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 81.2296, 0.2747, 0.3650.

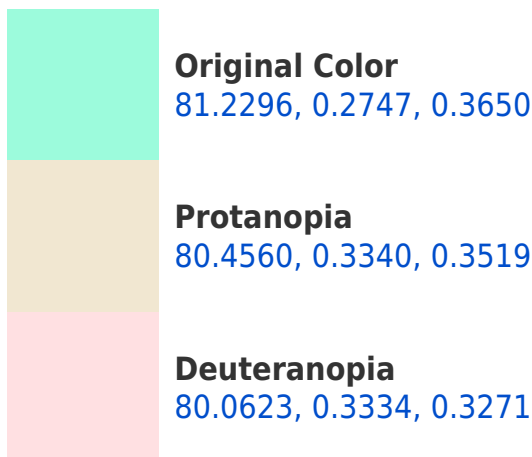


This preview shows how white text looks on a background with the Yxy color 81.2296, 0.2747, 0.3650.

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

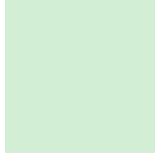
80.9494, 0.2733, 0.3138

Trichromacy



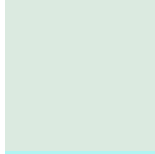
Original Color

81.2296, 0.2747, 0.3650



Protanomaly

79.6548, 0.3095, 0.3564



Deuteranomaly

79.2875, 0.3089, 0.3397



Tritanomaly

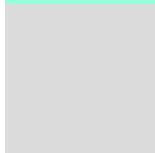
81.0627, 0.2738, 0.3322

Monochromacy



Original Color

81.2296, 0.2747, 0.3650



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.0021, 0.2968, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2296, 0.2747, 0.3650 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(156, 251, 220)` looks like.

```
.text, #text, p{  
    color:rgb(156, 251, 220)  
}
```

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(156, 251, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 251, 220) }
```

Border

The CSS property to change the border of an element to Yxy 81.2296, 0.2747, 0.3650 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(156, 251, 220) }
```

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

```
.border{ border-color:rgb(156, 251, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 251, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 251, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 251, 220);  
box-shadow:4px 4px 4px 4px rgb(156, 251,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2296, 0.2747, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 251, 220) }
```

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

```
.background{ background-color: rgb(156,  
251, 220) }
```

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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