

Converting Colors

$Yxy(81.4755, 0.2692, 0.3482)$

Have a look what the booklet for
Yxy(81.4755, 0.2692, 0.3482)
contains.

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Color

Yxy(81.5235, 0.2692, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	9EFAE9
RGB	158, 250, 233
RGB Percent	62%, 98%, 91%
CMY	0.3803, 0.0196, 0.0864
CMYK	0.37, 0.00, 0.07, 0.02
HSL	169°, 90%, 80%
HSV	169°, 37%, 98%
XYZ	62.9912, 81.5235, 89.4793
YIQ	220.5540, -49.3750, -24.7910

Conversions

Conversions Part 2

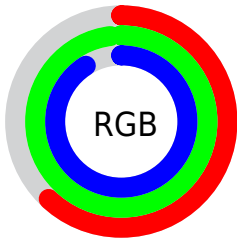
Format	Color
R_{YB}	158, 209, 250
Decimal	10418921
CIE _{Lab}	92.36, -31.16, -0.50
CIE _{LCh}	92, 31.160, 180.919
Yxy	81.5235, 0.2692, 0.3484
Android (android.graphics.Color)	4288609001 (0xFF9EFAE9)
YUV	220.5540, 6.1359, -54.8599
Hunter-Lab	90.2904, -33.4774, 4.4459

Details

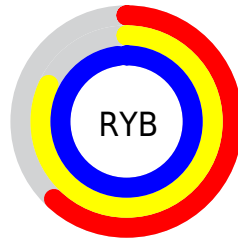
The Yxy color **81.5235, 0.2692, 0.3484** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8800, 0.3858, 0.3110**, and the grayscale version is **71.9616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **44.1390, 0.2598, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **78.9827, 0.2600, 0.3546**, and if you desaturate by 10%, it is **84.5934, 0.2798, 0.3426**.

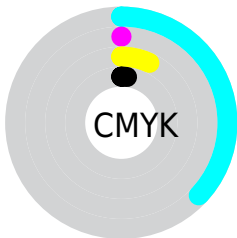
Distribution



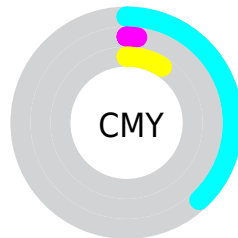
- Red (62%)
- Green (98%)
- Blue (91%)



- Red (62%)
- Yellow (82%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5235, 0.2692, 0.3484 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 81.5235, 0.2692, 0.3484 by changing the saturation by 10% instead.


 81.5235, 0.2692,
0.3484


 81.5235, 0.2692,
0.3484


500.0524, 0.2888,
0.3397

 60.9728, 0.2648,
0.3503


 135.5056, 0.2759,
0.3454

 44.2033, 0.2595,
0.3527


 169.7058, 0.2786,
0.3443

 30.8303, 0.2528,
0.3556


209.2247, 0.2808,
0.3432

 20.4697, 0.2443,
0.3594

254.4466, 0.2828,
0.3423

 12.7369, 0.2329,
0.3644

305.7559, 0.2846,
0.3416

 7.2476, 0.2171,
0.3713


363.5370, 0.2862,


 3.6174, 0.1938,


0.3409


0.3814

428.1744, 0.2876,
0.3402

 1.4620, 0.1483,
0.4013


 0.2617, 0.0000,
0.4500


 81.5235, 0.2692,
0.3484


 81.5235, 0.2692,
0.3484


 78.9827, 0.2600,
0.3546


 84.5934, 0.2798,
0.3426


 76.9298, 0.2525,
0.3611

 88.2115, 0.2915,
0.3371

 75.3330, 0.2468,
0.3678

 92.4079, 0.3039,
0.3321

 74.1527, 0.2431,
0.3746

 96.6313, 0.3150,
0.3276

■ 73.3424, 0.2414,
0.3813

■ 96.8553, 0.3129,
0.3242

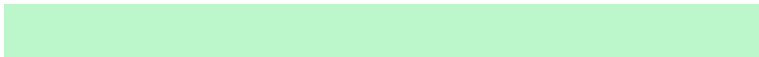
■ 72.8434, 0.2415,
0.3881

■ 72.7203, 0.2417,
0.3902

Harmonies

Analogous

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



81.5235, 0.3008, 0.3790



81.5235, 0.2692, 0.3484



81.5235, 0.2497, 0.3135

Triad

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



81.5235, 0.2692, 0.3484



81.5235, 0.2859, 0.2719



81.5235, 0.3839, 0.3670

Complementary

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



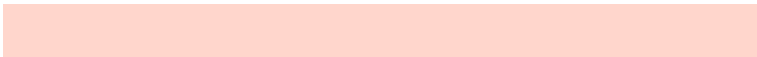
81.5235, 0.2692, 0.3484



47.8800, 0.3858, 0.3110

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.



81.5235, 0.3800, 0.3384



81.5235, 0.2692, 0.3484



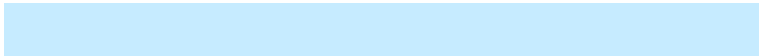
81.5235, 0.3217, 0.2855

Square

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



81.5235, 0.2692, 0.3484



81.5235, 0.2589, 0.2715



81.5235, 0.3567, 0.3092



81.5235, 0.3676, 0.3880

Rectangle

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



81.5235, 0.2692, 0.3484



81.5235, 0.2454, 0.2937



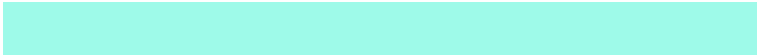
81.5235, 0.3567, 0.3092



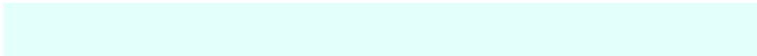
81.5235, 0.3850, 0.3579

Sweetspot

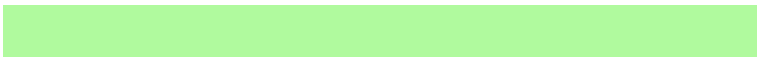
The Sweet Spot groups the original color and five complimentary colors.



81.5268, 0.2692, 0.3484



94.7326, 0.2986, 0.3342



80.1223, 0.3185, 0.4373



20.1490, 0.2969, 0.3348



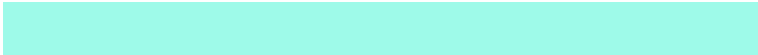
0.0000, 0.0000, 0.0000



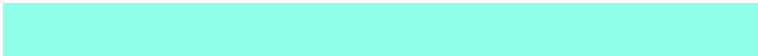
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5268, 0.2692, 0.3484



83.2948, 0.2624, 0.3529



66.6324, 0.2565, 0.2968



19.5502, 0.3005, 0.3334



38.5909, 0.2414, 0.3891



3.5880, 0.2392, 0.3810

Inverse Universe

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



47.8800, 0.3858, 0.3110



43.5102, 0.4078, 0.3075



57.7479, 0.3918, 0.3587



17.2777, 0.3265, 0.3246



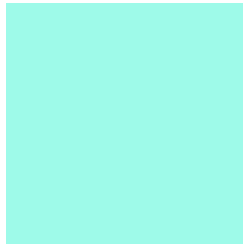
10.9016, 0.6116, 0.3143



1.0234, 0.5809, 0.2974

Previews

White Background



This preview shows how the Yxy color 81.5235, 0.2692, 0.3484 looks on a white background.

Color Contrast Check

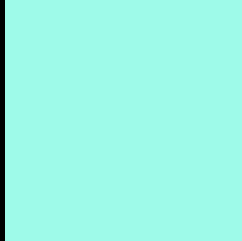
Large Text (above 18pt) WCAG AA × Fail

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 81.5235, 0.2692, 0.3484 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

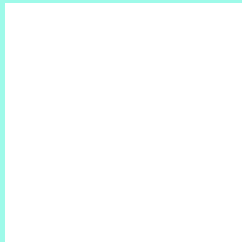
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5235, 0.2692, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 81.5235, 0.2692, 0.3484.

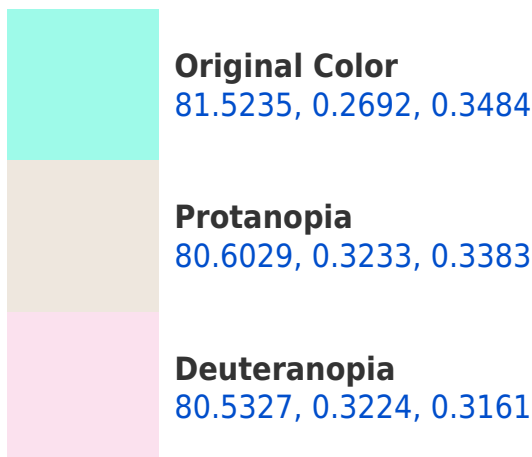


This preview shows how white text looks on a background with the Yxy color 81.5235, 0.2692, 0.3484.

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

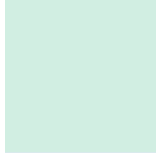
81.0777, 0.2738, 0.3138

Trichromacy



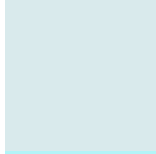
Original Color

81.5235, 0.2692, 0.3484



Protanomaly

80.1954, 0.3010, 0.3420



Deuteranomaly

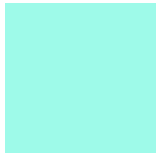
79.6535, 0.3003, 0.3268



Tritanomaly

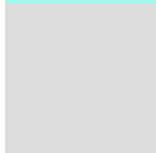
80.8817, 0.2717, 0.3256

Monochromacy



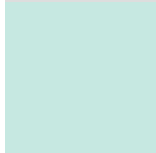
Original Color

81.5235, 0.2692, 0.3484



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.1552, 0.2946, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5235, 0.2692, 0.3484 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(158, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 233)  
}
```

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(158, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 233) }
```

Border

The CSS property to change the border of an element to Yxy 81.5235, 0.2692, 0.3484 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(158, 250, 233) }
```

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

```
.border{ border-color:rgb(158, 250, 233) }
```

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

Here you see how a box with a 4 pixel rgb(158, 250, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5235, 0.2692, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 233) }
```

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

```
.background{ background-color: rgb(158,  
250, 233) }
```

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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