

Converting Colors

Yxy(81.2986, 0.2739, 0.3610)

Have a look what the booklet for
Yxy(81.2986, 0.2739, 0.3610)
contains.

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Color

Yxy(81.4902, 0.2737, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	9DFBDF
RGB	157, 251, 223
RGB Percent	62%, 98%, 87%
CMY	0.3844, 0.0156, 0.1255
CMYK	0.37, 0.00, 0.11, 0.02
HSL	162°, 92%, 80%
HSV	162°, 37%, 98%
XYZ	61.7152, 81.4902, 82.2794
YIQ	219.7020, -47.0360, -28.6360

Conversions

Conversions Part 2

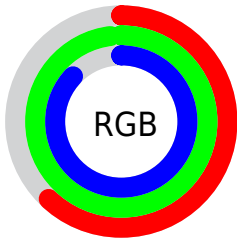
Format	Color
RYB	157, 212, 251
Decimal	10353631
CIELab	92.35, -34.06, 4.64
CIELCh	92, 34.371, 172.241
Yxy	81.4902, 0.2737, 0.3614
Android (android.graphics.Color)	4288543711 (0xFF9DFBDF)
YUV	219.7020, 1.6259, -54.9897
Hunter-Lab	90.2719, -35.9428, 9.1498

Details

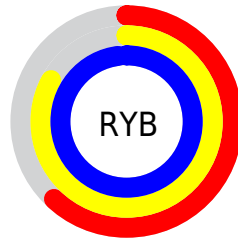
The Yxy color **81.4902, 0.2737, 0.3614** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1181, 0.3771, 0.2994**, and the grayscale version is **71.3616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **44.1774, 0.2648, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **78.8288, 0.2656, 0.3718**, and if you desaturate by 10%, it is **84.6946, 0.2830, 0.3517**.

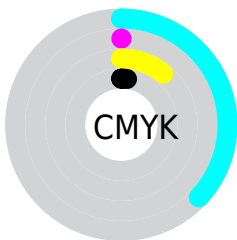
Distribution



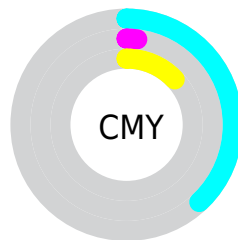
- Red (62%)
- Green (98%)
- Blue (87%)



- Red (62%)
- Yellow (83%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4902, 0.2737, 0.3614 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 81.4902, 0.2737, 0.3614 by changing the saturation by 10% instead.


 81.4902, 0.2737,
0.3614


 81.4902, 0.2737,
0.3614


499.9408, 0.2915,
0.3464

 60.9454, 0.2697,
0.3648


 135.4589, 0.2798,
0.3562

 44.1811, 0.2648,
0.3690


 169.6515, 0.2822,
0.3542

 30.8129, 0.2586,
0.3743


209.1622, 0.2843,
0.3525

 20.4564, 0.2507,
0.3813

254.3754, 0.2861,
0.3509

 12.7273, 0.2400,
0.3907

305.6755, 0.2877,
0.3496

 7.2410, 0.2250,
0.4043

363.4468, 0.2891,

 3.6133, 0.2023,

0.3484

428.0738, 0.2903,
0.3474

0.4253

1.4597, 0.1507,
0.4700

0.2601, 0.0000,
1.0000

81.4902, 0.2737,
0.3614

81.4902, 0.2737,
0.3614

78.8288, 0.2656,
0.3718

84.6946, 0.2830,
0.3517

76.6682, 0.2592,
0.3827

88.4616, 0.2933,
0.3427

74.9760, 0.2545,
0.3940

92.8217, 0.3043,
0.3346

73.7117, 0.2519,
0.4054

97.3471, 0.3141,
0.3272

■ 72.8275, 0.2513,
0.4169

■ 97.4811, 0.3129,
0.3252

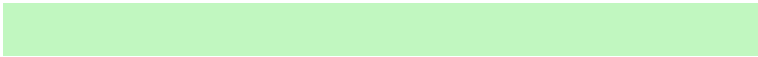
■ 72.2610, 0.2526,
0.4282

■ 72.1442, 0.2531,
0.4310

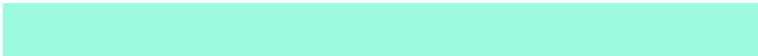
Harmonies

Analogous

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



81.4902, 0.3108, 0.3914



81.4902, 0.2737, 0.3614



81.4902, 0.2480, 0.3224

Triad

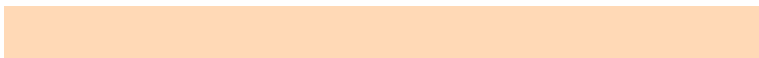
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4902, 0.2737, 0.3614



81.4902, 0.2732, 0.2647



81.4902, 0.3925, 0.3618

Complementary

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



81.4902, 0.2737, 0.3614



48.1181, 0.3771, 0.2994

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.



81.4902, 0.3816, 0.3295



81.4902, 0.2737, 0.3614



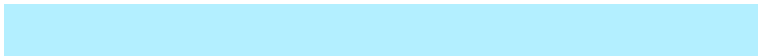
81.4902, 0.3106, 0.2758

Square

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



81.4902, 0.2737, 0.3614



81.4902, 0.2478, 0.2687



81.4902, 0.3509, 0.2989



81.4902, 0.3803, 0.3884

Rectangle

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



81.4902, 0.2737, 0.3614



81.4902, 0.2399, 0.2987



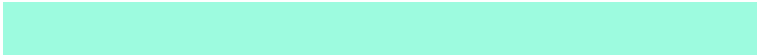
81.4902, 0.3509, 0.2989



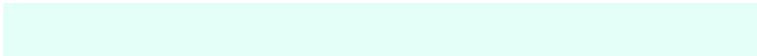
81.4902, 0.3914, 0.3512

Sweetspot

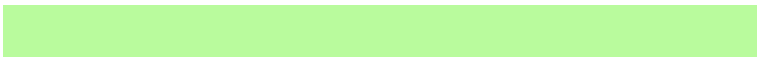
The Sweet Spot groups the original color and five complimentary colors.



81.4935, 0.2737, 0.3614



94.5361, 0.3003, 0.3374



81.7716, 0.3245, 0.4376



20.1020, 0.2988, 0.3385



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

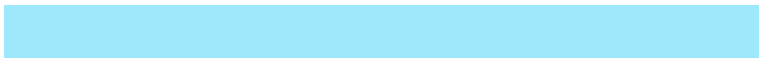
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4935, 0.2737, 0.3614



82.3274, 0.2675, 0.3692



71.9585, 0.2572, 0.3073



19.5153, 0.3020, 0.3362



37.9451, 0.2525, 0.4291



3.5330, 0.2488, 0.4156

Inverse Universe

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



48.1181, 0.3771, 0.2994



43.1626, 0.3968, 0.2936



53.9089, 0.3976, 0.3493



17.3103, 0.3247, 0.3220



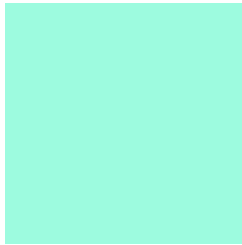
11.0683, 0.5773, 0.2954



1.0429, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 81.4902, 0.2737, 0.3614 looks on a white background.

Color Contrast Check

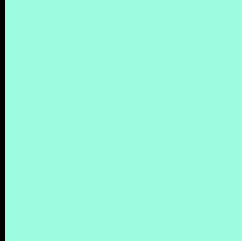
Large Text (above 18pt) WCAG AA × Fail

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 81.4902, 0.2737, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

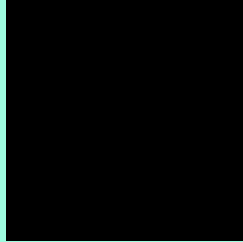
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4902, 0.2737, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 81.4902, 0.2737, 0.3614.

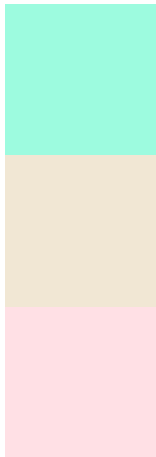


This preview shows how white text looks on a background with the Yxy color 81.4902, 0.2737, 0.3614.

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

81.4902, 0.2737, 0.3614

Protanopia

80.6061, 0.3320, 0.3487

Deuteranopia

80.2285, 0.3314, 0.3241



Tritanopia

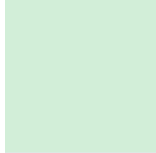
81.0777, 0.2738, 0.3138

Trichromacy



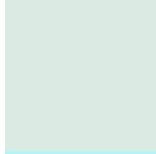
Original Color

81.4902, 0.2737, 0.3614



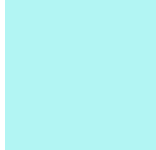
Protanomaly

79.8086, 0.3076, 0.3530



Deuteranomaly

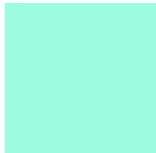
79.4518, 0.3070, 0.3365



Tritanomaly

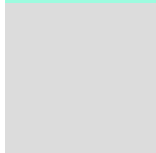
81.2409, 0.2738, 0.3311

Monochromacy



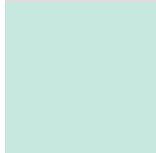
Original Color

81.4902, 0.2737, 0.3614



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.2426, 0.2963, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4902, 0.2737, 0.3614 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(157, 251, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 223) }
```

Border

The CSS property to change the border of an element to Yxy 81.4902, 0.2737, 0.3614 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, 223) }
```

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

```
.border{ border-color:rgb(157, 251, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4902, 0.2737, 0.3614 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, 223) }
```

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

```
.background{ background-color: rgb(157,  
251, 223) }
```

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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