

Converting Colors

$Yxy(80.1137, 0.2940, 0.4103)$

Have a look what the booklet for
Yxy(80.1137, 0.2940, 0.4103)
contains.

Yxy(80.3506, 0.2941, 0.4105)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3506, 0.2941, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	9EFCB8
RGB	158, 252, 184
RGB Percent	62%, 99%, 72%
CMY	0.3803, 0.0118, 0.2784
CMYK	0.37, 0.00, 0.27, 0.01
HSL	137°, 94%, 80%
HSV	137°, 37%, 99%
XYZ	57.5667, 80.3506, 57.8211
YIQ	216.1420, -34.1960, -41.0760

Conversions

Conversions Part 2

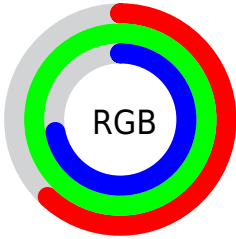
Format	Color
RYB	158, 232, 252
Decimal	10419384
CIELab	91.84, -41.80, 23.98
CIELCh	92, 48.185, 150.161
Yxy	80.3506, 0.2941, 0.4105
Android (android.graphics.Color)	4288609464 (0xFF9EFCB8)
YUV	216.1420, -15.8460, -50.9905
Hunter-Lab	89.6385, -42.2331, 24.5021

Details

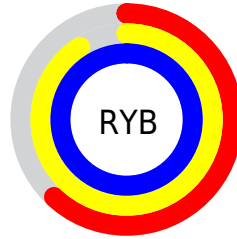
The Yxy color **80.3506, 0.2941, 0.4105** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.6523, 0.3390, 0.2597**, and the grayscale version is **68.9047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2583, 0.2969, 0.3445**, and **43.4937, 0.2883, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **77.3383, 0.2902, 0.4373**, and if you desaturate by 10%, it is **83.9921, 0.2987, 0.3855**.

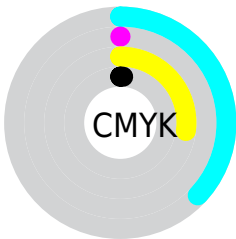
Distribution



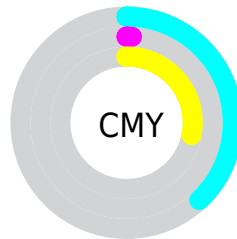
- Red (62%)
- Green (99%)
- Blue (72%)



- Red (62%)
- Yellow (91%)
- Blue (99%)



- Cyan (37%)
- Magenta (0%)
- Yellow (27%)
- Black (1%)





- Cyan (38%)
- Magenta (1%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3506, 0.2941, 0.4105 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 80.3506, 0.2941, 0.4105 by changing the saturation by 10% instead.

 80.3506, 0.2941,
0.4105


 80.3506, 0.2941,
0.4105


496.1136, 0.3036,
0.3714

 60.0069, 0.2917,
0.4197

 133.8585, 0.2976,
0.3967

 43.4242, 0.2886,
0.4313


 167.7916, 0.2989,
0.3914

 30.2181, 0.2845,
0.4462


207.0232, 0.3000,
0.3868

 20.0042, 0.2789,
0.4661


251.9378, 0.3009,
0.3829

 12.3981, 0.2706,
0.4938

302.9197, 0.3017,
0.3795

 7.0154, 0.2576,
0.5347


360.3534, 0.3024,


 3.4717, 0.2346,

0.3765


0.6000


424.6232, 0.3031,
0.3738


 1.3827, 0.1403,
0.8597


 0.2039, 0.0000,
1.0000


 80.3506, 0.2941,
0.4105


 80.3506, 0.2941,
0.4105


 77.3383, 0.2902,
0.4373

 83.9921, 0.2987,
0.3855


 74.9093, 0.2873,
0.4652

 88.2858, 0.3037,
0.3627

 73.0270, 0.2857,
0.4932

 93.2657, 0.3089,
0.3424

 71.6467, 0.2857,
0.5198

 98.1011, 0.3128,
0.3262

■ 70.7158, 0.2873,
0.5436

■ 70.1675, 0.2903,
0.5634

■ 70.0588, 0.2911,
0.5681

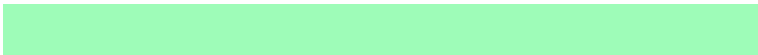
Harmonies

Analogous

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



80.3506, 0.3492, 0.4314



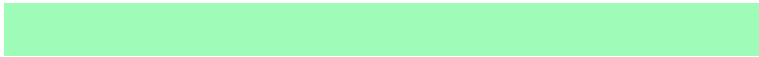
80.3506, 0.2941, 0.4105



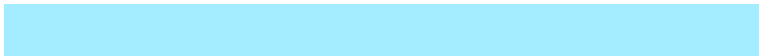
80.3506, 0.2466, 0.3603

Triad

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



80.3506, 0.2941, 0.4105



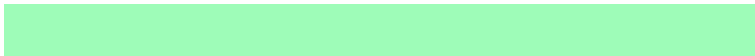
80.3506, 0.2306, 0.2424



80.3506, 0.4174, 0.3394

Complementary

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



80.3506, 0.2941, 0.4105



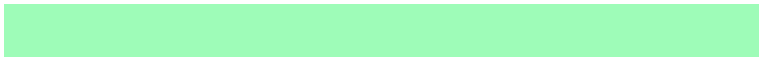
50.6523, 0.3390, 0.2597

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.



80.3506, 0.3798, 0.2972



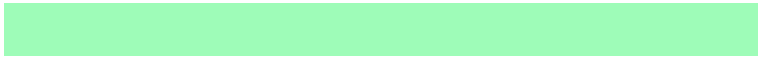
80.3506, 0.2941, 0.4105



80.3506, 0.2697, 0.2437

Square

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



80.3506, 0.2941, 0.4105



80.3506, 0.2127, 0.2624



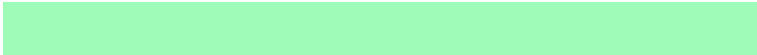
80.3506, 0.3241, 0.2633



80.3506, 0.4231, 0.3828

Rectangle

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



80.3506, 0.2941, 0.4105



80.3506, 0.2251, 0.3219



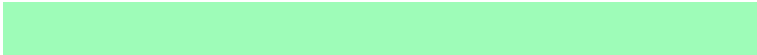
80.3506, 0.3241, 0.2633



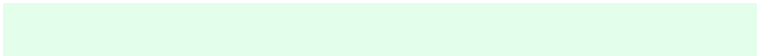
80.3506, 0.4080, 0.3249

Sweetspot

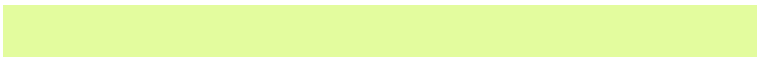
The Sweet Spot groups the original color and five complimentary colors.



80.3539, 0.2941, 0.4105



93.8237, 0.3070, 0.3496



88.4122, 0.3515, 0.4278



19.9323, 0.3063, 0.3524



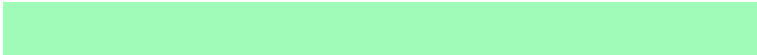
0.0000, 0.0000, 0.0000



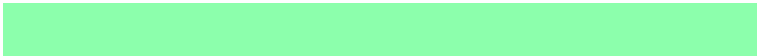
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3539, 0.2941, 0.4105



80.0943, 0.2910, 0.4311



82.6106, 0.2709, 0.3540



19.3881, 0.3078, 0.3466



36.5155, 0.2904, 0.5653



3.3991, 0.2840, 0.5423

Inverse Universe

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



50.6523, 0.3390, 0.2597



45.4326, 0.3463, 0.2458



48.4531, 0.3827, 0.3059



17.4379, 0.3180, 0.3120



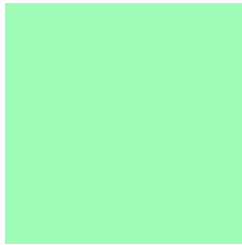
12.5738, 0.4060, 0.2010



1.1825, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 80.3506, 0.2941, 0.4105 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 80.3506, 0.2941, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

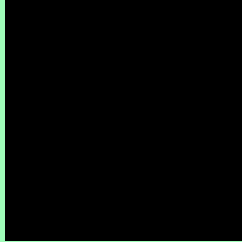
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3506, 0.2941, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 80.3506, 0.2941, 0.4105.

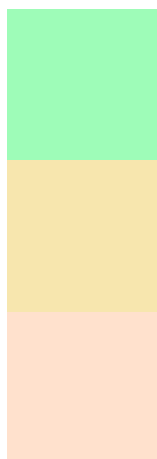


This preview shows how white text looks on a background with the Yxy color 80.3506, 0.2941, 0.4105.

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

80.3506, 0.2941, 0.4105

Protanopia

79.4238, 0.3621, 0.3871

Deuteranopia

79.5182, 0.3479, 0.3493



Tritanopia

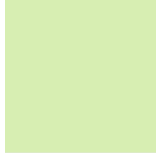
79.6444, 0.2725, 0.3116

Trichromacy



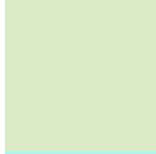
Original Color

80.3506, 0.2941, 0.4105



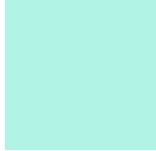
Protanomaly

78.8105, 0.3344, 0.3955



Deuteranomaly

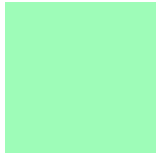
78.6635, 0.3264, 0.3705



Tritanomaly

79.7056, 0.2804, 0.3459

Monochromacy



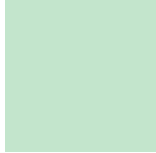
Original Color

80.3506, 0.2941, 0.4105



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.0004, 0.3053, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3506, 0.2941, 0.4105 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, 252, 184)` looks like.

```
.text, #text, p{  
    color:rgb(158, 252, 184)  
}
```

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, 252, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 252, 184) }
```

Border

The CSS property to change the border of an element to Yxy 80.3506, 0.2941, 0.4105 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, 252, 184) }
```

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

```
.border{ border-color:rgb(158, 252, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 252, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 252, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 252, 184);  
box-shadow:4px 4px 4px 4px rgb(158, 252,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3506, 0.2941, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 252, 184) }
```

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

```
.background{ background-color: rgb(158,  
252, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor