

Converting Colors

$Yxy(78.9553, 0.3055, 0.4401)$

Have a look what the booklet for
Yxy(78.9553, 0.3055, 0.4401)
contains.

Yxy(78.7005, 0.3058, 0.4396)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.7005, 0.3058, 0.4396)

Conversions

Conversions Part 1

Format	Color
Hex	9DFBA0
RGB	157, 251, 160
RGB Percent	62%, 98%, 63%
CMY	0.3844, 0.0157, 0.3724
CMYK	0.37, 0.00, 0.36, 0.02
HSL	122°, 92%, 80%
HSV	122°, 37%, 98%
XYZ	54.7466, 78.7005, 45.5804
YIQ	212.5200, -26.8130, -48.2290

Conversions

Conversions Part 2

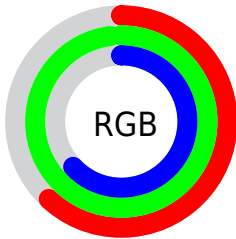
Format	Color
RYB	157, 248, 251
Decimal	10353568
CIELab	91.10, -45.62, 35.04
CIELCh	91, 57.521, 142.471
Yxy	78.7005, 0.3058, 0.4396
Android (android.graphics.Color)	4288543648 (0xFF9DFBA0)
YUV	212.5200, -25.8924, -48.6910
Hunter-Lab	88.7133, -45.0926, 31.6364

Details

The Yxy color **78.7005, 0.3058, 0.4396** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.3916, 0.3195, 0.2388**, and the grayscale version is **66.3927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8734, 0.3107, 0.3713**, and **42.4118, 0.3022, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **75.6647, 0.3039, 0.4749**, and if you desaturate by 10%, it is **82.4275, 0.3078, 0.4059**.

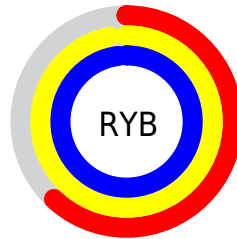
Distribution



Red (62%)

Green (98%)

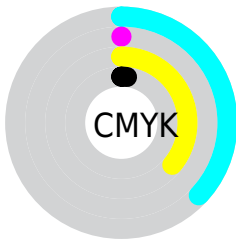
Blue (63%)



Red (62%)

Yellow (97%)

Blue (98%)

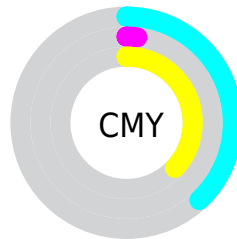


Cyan (37%)

Magenta (0%)

Yellow (36%)

Black (2%)



Cyan (38%)


Magenta (2%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7005, 0.3058, 0.4396 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 78.7005, 0.3058, 0.4396 by changing the saturation by 10% instead.


 78.7005, 0.3058,
0.4396


 78.7005, 0.3058,
0.4396


490.5426, 0.3109,
0.3860

 58.6496, 0.3041,
0.4524


 131.5371, 0.3080,
0.4205

 42.3311, 0.3018,
0.4684


 165.0917, 0.3087,
0.4133

 29.3606, 0.2984,
0.4890


203.9162, 0.3092,
0.4070

 19.3538, 0.2932,
0.5163


248.3951, 0.3097,
0.4017

 11.9262, 0.2847,
0.5541

298.9128, 0.3101,
0.3970

 6.6935, 0.2696,
0.6086


355.8537, 0.3104,


 3.2711, 0.2523,


0.3929


0.7269

419.6021, 0.3106,
0.3892


 1.2749, 0.0408,
0.9592


 0.1216, 0.0000,
1.0000

 78.7005, 0.3058,
0.4396


 78.7005, 0.3058,
0.4396


 75.6647, 0.3039,
0.4749


 82.4275, 0.3078,
0.4059


 73.2685, 0.3022,
0.5098

 86.8738, 0.3097,
0.3750

 71.4689, 0.3008,
0.5418

 92.0783, 0.3115,
0.3474

 70.2135, 0.2999,
0.5683

 97.4782, 0.3129,
0.3252

■ 69.4410, 0.2996,
0.5870

■ 69.0720, 0.2997,
0.5972

■ 69.0161, 0.2996,
0.5986

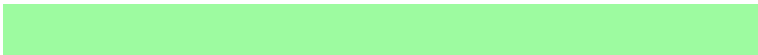
Harmonies

Analogous

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



78.7005, 0.3708, 0.4516



78.7005, 0.3058, 0.4396



78.7005, 0.2461, 0.3845

Triad

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



78.7005, 0.3058, 0.4396



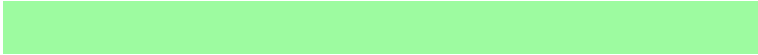
78.7005, 0.2082, 0.2301



78.7005, 0.4304, 0.3265

Complementary

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



78.7005, 0.3058, 0.4396



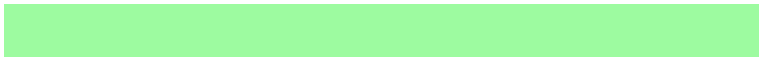
51.3916, 0.3195, 0.2388

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.



78.7005, 0.3770, 0.2797



78.7005, 0.3058, 0.4396



78.7005, 0.2473, 0.2263

Square

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



78.7005, 0.3058, 0.4396



78.7005, 0.1942, 0.2590



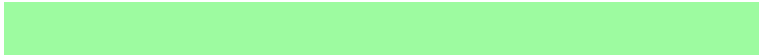
78.7005, 0.3080, 0.2442



78.7005, 0.4469, 0.3776

Rectangle

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



78.7005, 0.3058, 0.4396



78.7005, 0.2170, 0.3370



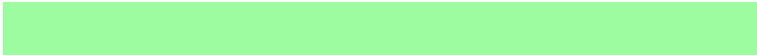
78.7005, 0.3080, 0.2442



78.7005, 0.4159, 0.3101

Sweetspot

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



78.7038, 0.3058, 0.4396



93.4366, 0.3108, 0.3568



91.6524, 0.3681, 0.4227



19.8408, 0.3106, 0.3605



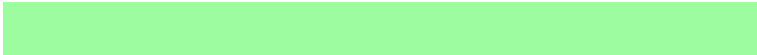
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.7038, 0.3058, 0.4396



79.1303, 0.3043, 0.4663



80.5992, 0.2824, 0.3827



19.3184, 0.3111, 0.3527



36.2797, 0.2994, 0.5980



3.3632, 0.2981, 0.5931

Inverse Universe

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



51.3916, 0.3195, 0.2388



47.0711, 0.3210, 0.2219



48.9022, 0.3600, 0.2815



17.5142, 0.3143, 0.3064



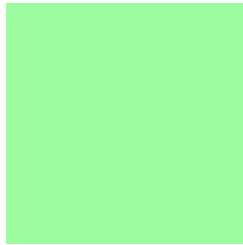
14.1810, 0.3292, 0.1587



1.3164, 0.3282, 0.1581

Previews

White Background



This preview shows how the Yxy color 78.7005, 0.3058, 0.4396 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 78.7005, 0.3058, 0.4396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

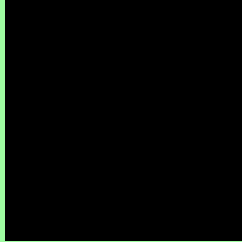
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7005, 0.3058, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 78.7005, 0.3058, 0.4396.

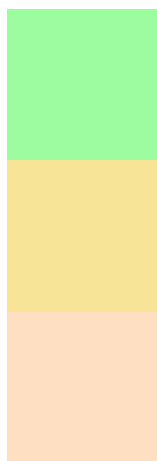


This preview shows how white text looks on a background with the Yxy color 78.7005, 0.3058, 0.4396.

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

78.7005, 0.3058, 0.4396

Protanopia

77.6776, 0.3788, 0.4084

Deuteranopia

77.9304, 0.3560, 0.3586



Tritanopia

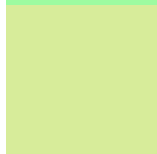
78.4364, 0.2697, 0.3103

Trichromacy



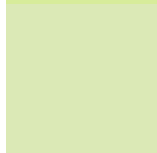
Original Color

78.7005, 0.3058, 0.4396



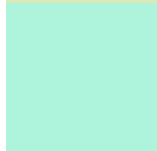
Protanomaly

76.7711, 0.3496, 0.4203



Deuteranomaly

76.7153, 0.3356, 0.3854



Tritanomaly

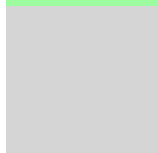
78.2672, 0.2835, 0.3554

Monochromacy



Original Color

78.7005, 0.3058, 0.4396



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.1707, 0.3102, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7005, 0.3058, 0.4396 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(157, 251, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 160) }
```

Border

The CSS property to change the border of an element to Yxy 78.7005, 0.3058, 0.4396 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, 160) }
```

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

```
.border{ border-color:rgb(157, 251, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 160);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7005, 0.3058, 0.4396 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, 160) }
```

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

```
.background{ background-color: rgb(157,  
251, 160) }
```

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