

Converting Colors

$Yxy(78.2062, 0.3072, 0.4408)$

Have a look what the booklet for
Yxy(78.2062, 0.3072, 0.4408)
contains.

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Color

Yxy(78.1089, 0.3075, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	9EFA9E
RGB	158, 250, 158
RGB Percent	62%, 98%, 62%
CMY	0.3802, 0.0196, 0.3805
CMYK	0.37, 0.00, 0.37, 0.02
HSL	120°, 90%, 80%
HSV	120°, 37%, 98%
XYZ	54.4637, 78.1089, 44.5451
YIQ	212.0040, -25.3000, -48.1160

Conversions

Conversions Part 2

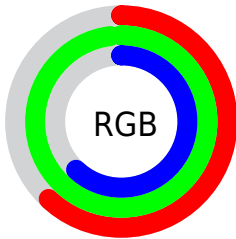
Format	Color
RYB	158, 250, 250
Decimal	10418846
CIELab	90.83, -45.17, 35.72
CIELCh	91, 57.589, 141.668
Yxy	78.1089, 0.3075, 0.4410
Android (android.graphics.Color)	4288608926 (0xFF9EFA9E)
YUV	212.0040, -26.6240, -47.3615
Hunter-Lab	88.3792, -44.6631, 31.9820

Details

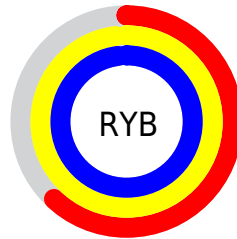
The Yxy color **78.1089, 0.3075, 0.4410** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.6612, 0.3169, 0.2377**, and the grayscale version is **66.0420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7712, 0.3119, 0.3735**, and **41.9846, 0.3041, 0.4711** is the 20% darker color. If you saturate the color by 10%, you get **75.0551, 0.3058, 0.4772**, and if you desaturate by 10%, it is **81.8593, 0.3091, 0.4064**.

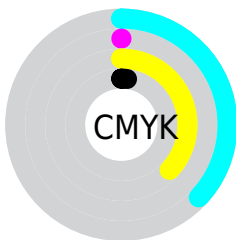
Distribution



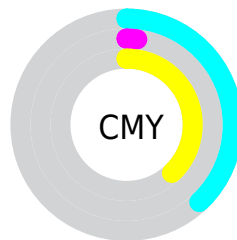
- Red (62%)
- Green (98%)
- Blue (62%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1089, 0.3075, 0.4410 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 78.1089, 0.3075, 0.4410 by changing the saturation by 10% instead.


 78.1089, 0.3075,
0.4410


 78.1089, 0.3075,
0.4410


488.5366, 0.3118,
0.3866

 58.1634, 0.3060,
0.4540


 130.7036, 0.3094,
0.4217

 41.9401, 0.3038,
0.4702


 164.1217, 0.3100,
0.4143

 29.0544, 0.3006,
0.4911


202.7994, 0.3105,
0.4080

 19.1219, 0.2956,
0.5188

247.1212, 0.3109,
0.4025

 11.7584, 0.2873,
0.5571

297.4714, 0.3112,
0.3978

 6.5794, 0.2721,
0.6123


354.2344, 0.3115,


 3.2005, 0.2574,


0.3936


0.7395


417.7947, 0.3117,
0.3899


 1.2373, 0.0288,
0.9712


 0.0918, 0.0000,
1.0000


 78.1089, 0.3075,
0.4410


 78.1089, 0.3075,
0.4410


 75.0551, 0.3058,
0.4772


 81.8593, 0.3091,
0.4064


 72.6459, 0.3041,
0.5128

 86.3350, 0.3106,
0.3746

 70.8380, 0.3026,
0.5452

 91.5749, 0.3119,
0.3463

 69.5785, 0.3014,
0.5714

 96.8499, 0.3129,
0.3242

■ 68.8053, 0.3005,
0.5893

■ 68.4400, 0.3001,
0.5982

■ 68.3710, 0.3000,
0.6000

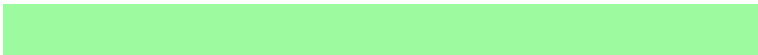
Harmonies

Analogous

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



78.1089, 0.3726, 0.4518



78.1089, 0.3075, 0.4410



78.1089, 0.2472, 0.3866

Triad

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



78.1089, 0.3075, 0.4410



78.1089, 0.2071, 0.2302



78.1089, 0.4298, 0.3252

Complementary

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



78.1089, 0.3075, 0.4410



51.6612, 0.3169, 0.2377

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.



78.1089, 0.3755, 0.2784



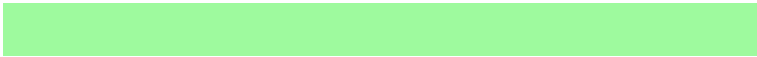
78.1089, 0.3075, 0.4410



78.1089, 0.2457, 0.2258

Square

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



78.1089, 0.3075, 0.4410



78.1089, 0.1938, 0.2598



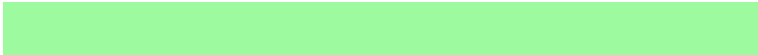
78.1089, 0.3061, 0.2432



78.1089, 0.4475, 0.3763

Rectangle

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



78.1089, 0.3075, 0.4410



78.1089, 0.2176, 0.3389



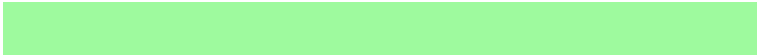
78.1089, 0.3061, 0.2432



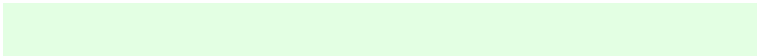
78.1089, 0.4150, 0.3087

Sweetspot

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



78.1122, 0.3075, 0.4410



93.3894, 0.3114, 0.3577



90.2123, 0.3687, 0.4194



19.8297, 0.3112, 0.3616



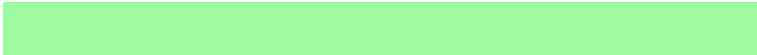
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

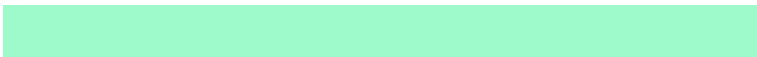
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1122, 0.3075, 0.4410



79.3263, 0.3063, 0.4671



79.9232, 0.2845, 0.3854



19.3099, 0.3116, 0.3535



36.2671, 0.3000, 0.6000



3.3592, 0.3001, 0.6000

Inverse Universe

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



51.6612, 0.3169, 0.2377



48.0493, 0.3177, 0.2211



49.2048, 0.3560, 0.2792



17.5239, 0.3138, 0.3056



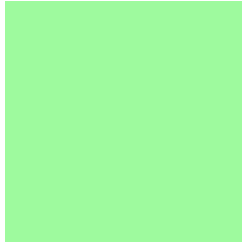
14.4239, 0.3207, 0.1541



1.3361, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 78.1089, 0.3075, 0.4410 looks on a white background.

Color Contrast Check

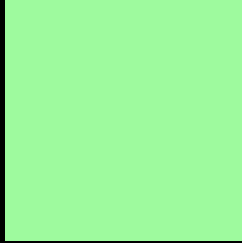
Large Text (above 18pt) WCAG AA × Fail

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 78.1089, 0.3075, 0.4410 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 78.1089, 0.3075, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 78.1089, 0.3075, 0.4410.

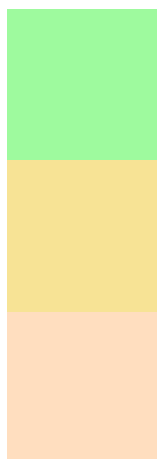


This preview shows how white text looks on a background with the Yxy color 78.1089, 0.3075, 0.4410.

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

78.1089, 0.3075, 0.4410

Protanopia

76.8823, 0.3797, 0.4097

Deuteranopia

77.2641, 0.3584, 0.3607



Tritanopia

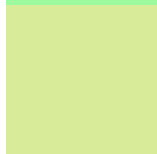
77.6121, 0.2684, 0.3092

Trichromacy



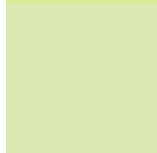
Original Color

78.1089, 0.3075, 0.4410



Protanomaly

76.1307, 0.3511, 0.4216



Deuteranomaly

76.1835, 0.3384, 0.3876



Tritanomaly

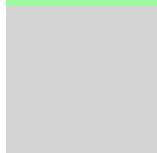
77.5558, 0.2828, 0.3543

Monochromacy



Original Color

78.1089, 0.3075, 0.4410



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.4050, 0.3108, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1089, 0.3075, 0.4410 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, 158)` looks like.

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

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, 158) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 78.1089, 0.3075, 0.4410 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, 158) }
```

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

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

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, 158)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 78.1089, 0.3075, 0.4410 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, 158) }
```

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

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

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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