

Converting Colors

$Y_{xy}(77.8251, 0.3058, 0.4349)$

Have a look what the booklet for
Yxy(77.8251, 0.3058, 0.4349)
contains.

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Color

Yxy(77.7309, 0.3060, 0.4349)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9FF9A2 |
| RGB | 159, 249, 162 |
| RGB Percent | 62%, 98%, 64% |
| CMY | 0.3766, 0.0235, 0.3646 |
| CMYK | 0.36, 0.00, 0.35, 0.02 |
| HSL | 122°, 88%, 80% |
| HSV | 122°, 36%, 98% |
| XYZ | 54.6922, 77.7309, 46.3097 |
| YIQ | 212.1720, -25.7130, -46.1370 |

Conversions

Conversions Part 2

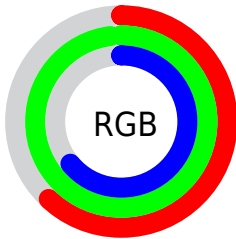
| Format | Color |
|-------------------------------------|--|
| RYB | 159, 246, 249 |
| Decimal | 10484130 |
| CIELab | 90.66, -43.85, 33.48 |
| CIElCh | 91, 55.173, 142.634 |
| Yxy | 77.7309, 0.3060, 0.4349 |
| Android (android.graphics.Color) | 4288674210 (0xFF9FF9A2) |
| YUV | 212.1720, -24.7348, -46.6318 |
| Hunter-Lab | 88.1651, -43.5585, 30.5729 |

Details

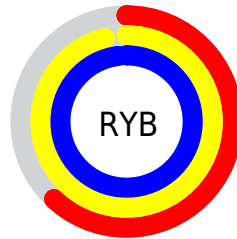
The Yxy color **77.7309, 0.3060, 0.4349** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.5803, 0.3194, 0.2419**, and the grayscale version is **66.1378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1287, 0.3102, 0.3690**, and **41.6870, 0.3024, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **74.6648, 0.3041, 0.4700**, and if you desaturate by 10%, it is **81.4800, 0.3080, 0.4016**.

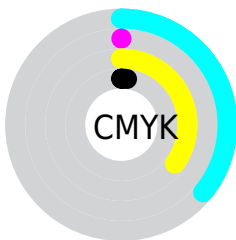
Distribution



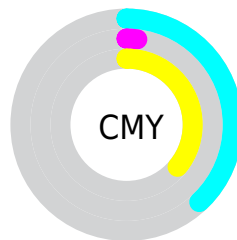
- Red (62%)
- Green (98%)
- Blue (64%)



- Red (62%)
- Yellow (96%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7309, 0.3060, 0.4349 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 77.7309, 0.3060, 0.4349 by changing the saturation by 10% instead.

 77.7309, 0.3060,
0.4349


 77.7309, 0.3060,
0.4349


487.2524, 0.3108,
0.3835

 57.8529, 0.3044,
0.4472


 130.1707, 0.3080,
0.4166

 41.6904, 0.3023,
0.4625


 163.5014, 0.3087,
0.4097

 28.8590, 0.2991,
0.4823


202.0850, 0.3093,
0.4037

 18.9742, 0.2942,
0.5087

246.3061, 0.3097,
0.3986

 11.6516, 0.2862,
0.5453

296.5490, 0.3101,
0.3941

 6.5069, 0.2720,
0.5984

353.1981, 0.3104,


 3.1557, 0.2550,

0.3901

0.7114


416.6378, 0.3106,
0.3866


 1.2136, 0.0402,
0.9598

 0.0727, 0.0000,
1.0000


 77.7309, 0.3060,
0.4349


 77.7309, 0.3060,
0.4349


 74.6648, 0.3041,
0.4700


 81.4800, 0.3080,
0.4016


 72.2314, 0.3023,
0.5050

 85.9392, 0.3099,
0.3711

 70.3895, 0.3009,
0.5376

 91.1461, 0.3117,
0.3440

 69.0886, 0.2999,
0.5649

 96.2367, 0.3130,
0.3233

■ 68.2700, 0.2995,
0.5848

■ 67.8610, 0.2996,
0.5962

■ 67.7752, 0.2996,
0.5985

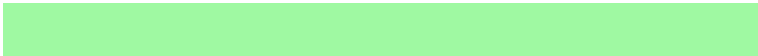
Harmonies

Analogous

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



77.7309, 0.3688, 0.4471



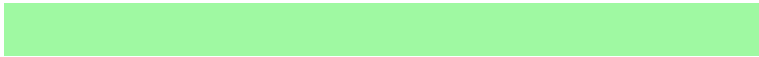
77.7309, 0.3060, 0.4349



77.7309, 0.2483, 0.3820

Triad

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



77.7309, 0.3060, 0.4349



77.7309, 0.2117, 0.2333



77.7309, 0.4262, 0.3272

Complementary

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



77.7309, 0.3060, 0.4349



51.5803, 0.3194, 0.2419

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.



77.7309, 0.3750, 0.2816



77.7309, 0.3060, 0.4349



77.7309, 0.2499, 0.2296

Square

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



77.7309, 0.3060, 0.4349



77.7309, 0.1980, 0.2614



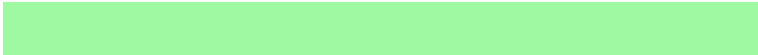
77.7309, 0.3086, 0.2471



77.7309, 0.4421, 0.3767

Rectangle

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



77.7309, 0.3060, 0.4349



77.7309, 0.2201, 0.3365



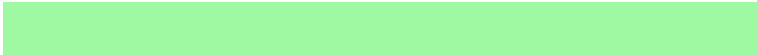
77.7309, 0.3086, 0.2471



77.7309, 0.4124, 0.3112

Sweetspot

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



77.7342, 0.3060, 0.4349



93.4385, 0.3108, 0.3567



89.8532, 0.3651, 0.4199



19.8413, 0.3106, 0.3605



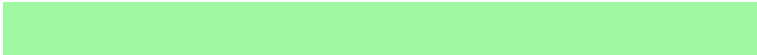
0.0000, 0.0000, 0.0000



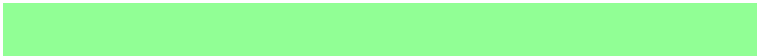
21.4041, 0.3127, 0.3290

Same Dimension

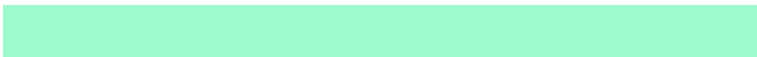
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7342, 0.3060, 0.4349



79.7433, 0.3047, 0.4590



79.6296, 0.2826, 0.3786



19.3187, 0.3111, 0.3527



36.2802, 0.2994, 0.5979



3.3634, 0.2980, 0.5928

Inverse Universe

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



51.5803, 0.3194, 0.2419



48.6016, 0.3207, 0.2263



49.1451, 0.3592, 0.2847



17.5138, 0.3143, 0.3064



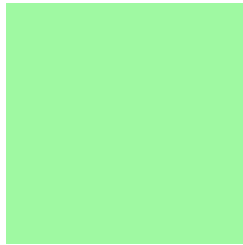
14.1713, 0.3296, 0.1589



1.3156, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 77.7309, 0.3060, 0.4349 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 77.7309, 0.3060, 0.4349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

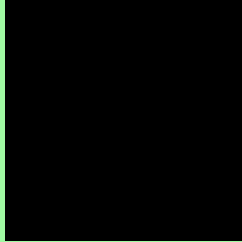
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7309, 0.3060, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 77.7309, 0.3060, 0.4349.

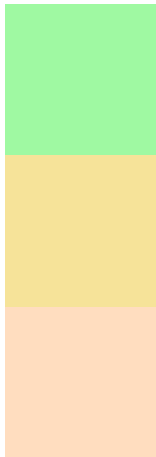


This preview shows how white text looks on a background with the Yxy color 77.7309, 0.3060, 0.4349.

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

77.7309, 0.3060, 0.4349

Protanopia

76.8309, 0.3763, 0.4059

Deuteranopia

76.7345, 0.3586, 0.3597



Tritanopia

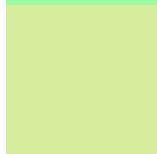
77.4917, 0.2679, 0.3091

Trichromacy



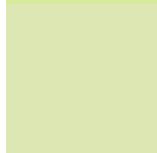
Original Color

77.7309, 0.3060, 0.4349



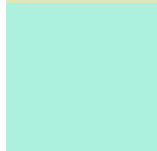
Protanomaly

76.1131, 0.3479, 0.4174



Deuteranomaly

75.6628, 0.3379, 0.3855



Tritanomaly

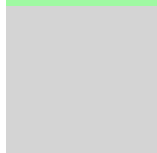
76.9017, 0.2816, 0.3521

Monochromacy



Original Color

77.7309, 0.3060, 0.4349



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.0829, 0.3103, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7309, 0.3060, 0.4349 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(159, 249, 162)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 162)  
}
```

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(159, 249, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 162) }
```

Border

The CSS property to change the border of an element to Yxy 77.7309, 0.3060, 0.4349 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(159, 249, 162) }
```

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

```
.border{ border-color:rgb(159, 249, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 162);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7309, 0.3060, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 162) }
```

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

```
.background{ background-color: rgb(159,  
249, 162) }
```

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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