

Converting Colors

$Yxy(97.6693, 0.3048, 0.4705)$

Have a look what the booklet for
Yxy(97.6693, 0.3048, 0.4705)
contains.

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Color

Yxy(80.6589, 0.3059, 0.4502)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 99FF9B |
| RGB | 153, 255, 155 |
| RGB Percent | 60%, 100%, 61% |
| CMY | 0.4002, 0.0000, 0.3921 |
| CMYK | 0.40, 0.00, 0.39, 0.00 |
| HSL | 121°, 100%, 80% |
| HSV | 121°, 40%, 100% |
| XYZ | 54.8058, 80.6589, 43.6977 |
| YIQ | 213.1020, -28.6920, -52.7240 |

Conversions

Conversions Part 2

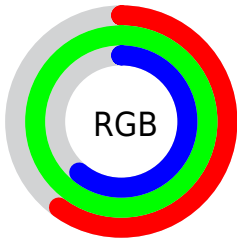
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 153, 253, 255 |
| Decimal | 10092443 |
| CIELab | 91.98, -49.26, 38.65 |
| CIElCh | 92, 62.615, 141.886 |
| Yxy | 80.6589, 0.3059, 0.4502 |
| Android (android.graphics.Color) | 4288282523 (0xFF99FF9B) |
| YUV | 213.1020, -28.6443, -52.7095 |
| Hunter-Lab | 89.8103, -48.2403, 34.0193 |

Details

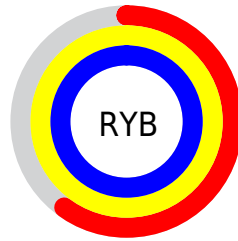
The Yxy color **80.6589, 0.3059, 0.4502** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.1095, 0.3190, 0.2318**, and the grayscale version is **66.8092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0220, 0.3111, 0.3771**, and **43.8343, 0.3018, 0.4826** is the 20% darker color. If you saturate the color by 10%, you get **77.6786, 0.3041, 0.4859**, and if you desaturate by 10%, it is **84.3323, 0.3077, 0.4155**.

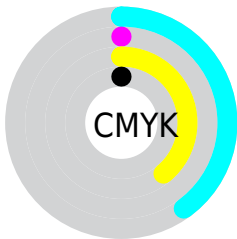
Distribution



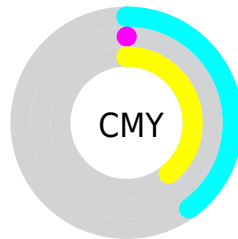
- Red (60%)
- Green (100%)
- Blue (61%)



- Red (60%)
- Yellow (99%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6589, 0.3059, 0.4502 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 80.6589, 0.3059, 0.4502 by changing the saturation by 10% instead.


 80.6589, 0.3059,
0.4502


 80.6589, 0.3059,
0.4502


497.1506, 0.3113,
0.3915

 60.2607, 0.3041,
0.4641


 134.2917, 0.3082,
0.4294

 43.6288, 0.3015,
0.4815


 168.2951, 0.3090,
0.4214

 30.3788, 0.2977,
0.5039


207.6024, 0.3096,
0.4146

 20.1263, 0.2918,
0.5333

252.5980, 0.3101,
0.4087

 12.4869, 0.2822,
0.5737

303.6661, 0.3105,
0.4036

 7.0762, 0.2651,
0.6310

361.1914, 0.3108,

 3.5098, 0.2451,

0.3991

0.7549

425.5581, 0.3111,
0.3950

■ 1.4033, 0.0396,
0.9604

■ 0.2192, 0.0000,
1.0000

■ 80.6589, 0.3059,
0.4502

■ 80.6589, 0.3059,
0.4502

■ 77.6786, 0.3041,
0.4859

■ 84.3323, 0.3077,
0.4155

■ 75.3624, 0.3025,
0.5206

■ 88.7556, 0.3095,
0.3834

■ 73.6549, 0.3011,
0.5514

■ 93.9614, 0.3112,
0.3545

■ 72.4990, 0.3003,
0.5757

99.9847, 0.3127,
0.3291

■ 71.8266, 0.2999,
0.5916

100.0000, 0.3127,
0.3290

■ 71.5314, 0.2998,
0.5991

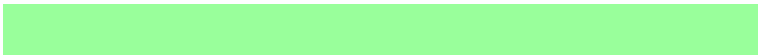
Harmonies

Analogous

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



80.6589, 0.3755, 0.4610



80.6589, 0.3059, 0.4502



80.6589, 0.2418, 0.3906

Triad

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



80.6589, 0.3059, 0.4502



80.6589, 0.2005, 0.2234



80.6589, 0.4390, 0.3245

Complementary

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



80.6589, 0.3059, 0.4502



51.1095, 0.3190, 0.2318

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.



80.6589, 0.3805, 0.2751



80.6589, 0.3059, 0.4502



80.6589, 0.2414, 0.2193

Square

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



80.6589, 0.3059, 0.4502



80.6589, 0.1862, 0.2541



80.6589, 0.3058, 0.2379



80.6589, 0.4573, 0.3787

Rectangle

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



80.6589, 0.3059, 0.4502



80.6589, 0.2107, 0.3386



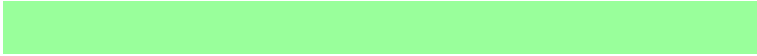
80.6589, 0.3058, 0.2379



80.6589, 0.4231, 0.3072

Sweetspot

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



80.6536, 0.3059, 0.4502



92.8688, 0.3109, 0.3599



94.7567, 0.3717, 0.4289



19.7269, 0.3107, 0.3636



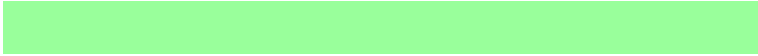
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

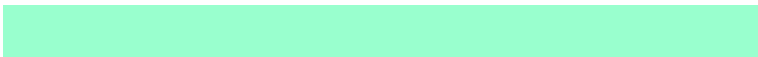
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6536, 0.3059, 0.4502



78.2260, 0.3044, 0.4787



82.7267, 0.2807, 0.3871



20.1742, 0.3113, 0.3531



37.3793, 0.2997, 0.5988



3.6415, 0.2988, 0.5958

Inverse Universe

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



51.1095, 0.3190, 0.2318



44.9861, 0.3203, 0.2144



48.2997, 0.3646, 0.2782



18.2936, 0.3141, 0.3061



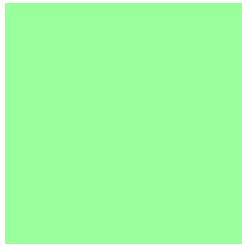
14.7118, 0.3261, 0.1570



1.4344, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 80.6589, 0.3059, 0.4502 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 80.6589, 0.3059, 0.4502 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 80.6589, 0.3059, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 80.6589, 0.3059, 0.4502.

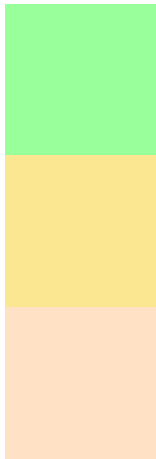


This preview shows how white text looks on a background with the Yxy color 80.6589, 0.3059, 0.4502.

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

80.6589, 0.3059, 0.4502

Protanopia

79.7054, 0.3837, 0.4163

Deuteranopia

79.7299, 0.3525, 0.3575



Tritanopia

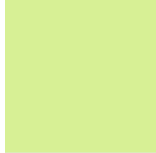
80.3590, 0.2732, 0.3127

Trichromacy



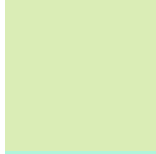
Original Color

80.6589, 0.3059, 0.4502



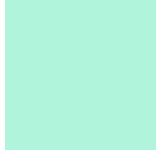
Protanomaly

78.9372, 0.3515, 0.4294



Deuteranomaly

78.8512, 0.3342, 0.3896



Tritanomaly

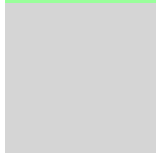
79.6494, 0.2853, 0.3587

Monochromacy



Original Color

80.6589, 0.3059, 0.4502



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3689, 0.3100, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6589, 0.3059, 0.4502 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(153, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 155)  
}
```

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(153, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 80.6589, 0.3059, 0.4502 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(153, 255, 155) }
```

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

```
.border{ border-color:rgb(153, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6589, 0.3059, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 155) }
```

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

```
.background{ background-color: rgb(153,  
255, 155) }
```

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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