

Converting Colors

$Yxy(99.2108, 0.3069, 0.4789)$

Have a look what the booklet for
Yxy(99.2108, 0.3069, 0.4789)
contains.

Yxy(80.3653, 0.3083, 0.4577)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3653, 0.3083, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	98FF95
RGB	152, 255, 149
RGB Percent	60%, 100%, 58%
CMY	0.4039, 0.0000, 0.4157
CMYK	0.40, 0.00, 0.42, 0.00
HSL	118°, 100%, 79%
HSV	118°, 42%, 100%
XYZ	54.1329, 80.3653, 41.0869
YIQ	212.1190, -27.3620, -54.8020

Conversions

Conversions Part 2

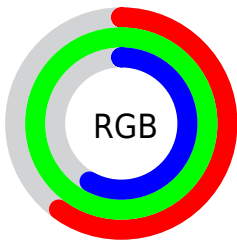
Format	Color
RYB	149, 255, 252
Decimal	10026901
CIELab	91.85, -50.41, 41.42
CIELCh	92, 65.243, 140.591
Yxy	80.3653, 0.3083, 0.4577
Android (android.graphics.Color)	4288216981 (0xFF98FF95)
YUV	212.1190, -31.1177, -52.7244
Hunter-Lab	89.6467, -49.0950, 35.5789

Details

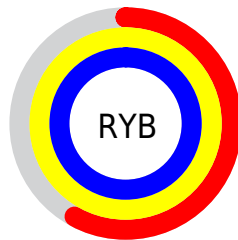
The Yxy color **80.3653, 0.3083, 0.4577** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.4046, 0.3150, 0.2257**, and the grayscale version is **66.1450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5813, 0.3138, 0.3838**, and **43.6656, 0.3045, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **77.4918, 0.3068, 0.4937**, and if you desaturate by 10%, it is **83.9160, 0.3097, 0.4223**.

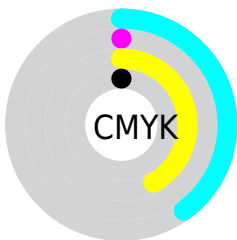
Distribution



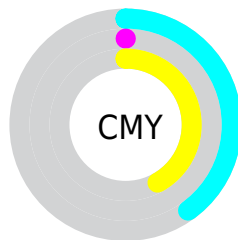
- Red (60%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3653, 0.3083, 0.4577 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 80.3653, 0.3083, 0.4577 by changing the saturation by 10% instead.


 80.3653, 0.3083,
0.4577


 80.3653, 0.3083,
0.4577


496.1631, 0.3129,
0.3952

 60.0190, 0.3065,
0.4725


 133.8792, 0.3105,
0.4356

 43.4340, 0.3040,
0.4910


 167.8156, 0.3111,
0.4271

 30.2257, 0.3002,
0.5146


207.0508, 0.3116,
0.4198

 20.0100, 0.2941,
0.5458

251.9693, 0.3120,
0.4136

 12.4023, 0.2839,
0.5881

302.9553, 0.3123,
0.4081

 7.0183, 0.2655,
0.6475

360.3934, 0.3126,

 3.4735, 0.2387,

0.4033

0.7613

424.6678, 0.3128,
0.3990

■ 1.3837, 0.0115,
0.9885

■ 0.2046, 0.0000,
1.0000

■ 80.3653, 0.3083,
0.4577

■ 80.3653, 0.3083,
0.4577

■ 77.4918, 0.3068,
0.4937

■ 83.9160, 0.3097,
0.4223

■ 75.2528, 0.3052,
0.5280

■ 88.1838, 0.3108,
0.3892

■ 73.6003, 0.3036,
0.5577

■ 93.2048, 0.3118,
0.3593

■ 72.4793, 0.3021,
0.5803

■ 99.0127, 0.3126,
0.3328

■ 71.8246, 0.3010,
0.5941

100.0000, 0.3127,
0.3290

■ 71.5668, 0.3004,
0.5997

Harmonies

Analogous

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



80.3653, 0.3804, 0.4659



80.3653, 0.3083, 0.4577



80.3653, 0.2412, 0.3969

Triad

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



80.3653, 0.3083, 0.4577



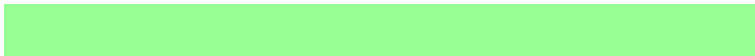
80.3653, 0.1952, 0.2201



80.3653, 0.4426, 0.3216

Complementary

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



80.3653, 0.3083, 0.4577



49.4046, 0.3150, 0.2257

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.



80.3653, 0.3801, 0.2710



80.3653, 0.3083, 0.4577



80.3653, 0.2361, 0.2150

Square

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



80.3653, 0.3083, 0.4577



80.3653, 0.1817, 0.2529



80.3653, 0.3021, 0.2334



80.3653, 0.4634, 0.3774

Rectangle

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



80.3653, 0.3083, 0.4577



80.3653, 0.2084, 0.3422



80.3653, 0.3021, 0.2334



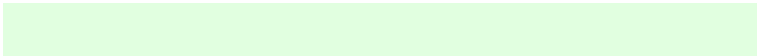
80.3653, 0.4254, 0.3038

Sweetspot

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



80.3651, 0.3083, 0.4577



92.9745, 0.3118, 0.3605



92.7156, 0.3763, 0.4291



19.7515, 0.3117, 0.3643



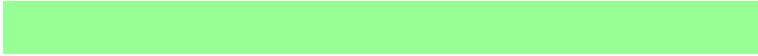
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

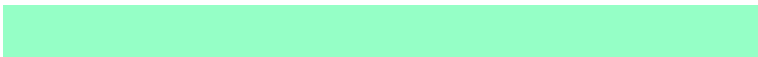
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3651, 0.3083, 0.4577



77.9005, 0.3070, 0.4881



82.0071, 0.2823, 0.3964



20.1927, 0.3120, 0.3535



37.4058, 0.3006, 0.5995



3.6503, 0.3020, 0.5984

Inverse Universe

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



49.4046, 0.3150, 0.2257



43.1075, 0.3152, 0.2070



47.1848, 0.3622, 0.2710



18.2725, 0.3134, 0.3056



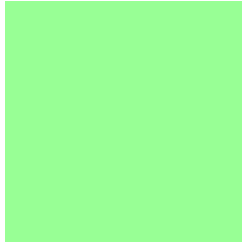
14.1886, 0.3138, 0.1502



1.3895, 0.3147, 0.1507

Previews

White Background



This preview shows how the Yxy color 80.3653, 0.3083, 0.4577 looks on a white background.

Color Contrast Check

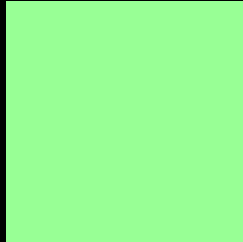
Large Text (above 18pt) WCAG AA × Fail

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 80.3653, 0.3083, 0.4577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

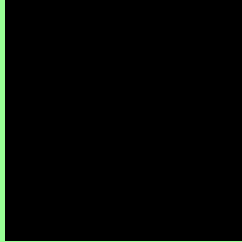
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3653, 0.3083, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 80.3653, 0.3083, 0.4577.

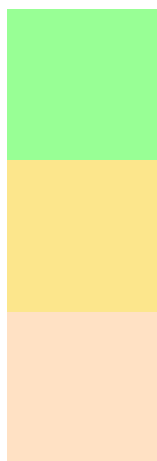


This preview shows how white text looks on a background with the Yxy color 80.3653, 0.3083, 0.4577.

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

80.3653, 0.3083, 0.4577

Protanopia

79.1825, 0.3880, 0.4199

Deuteranopia

79.0959, 0.3542, 0.3586



Tritanopia

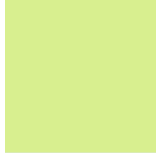
79.6444, 0.2725, 0.3116

Trichromacy



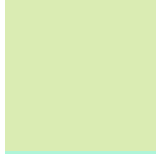
Original Color

80.3653, 0.3083, 0.4577



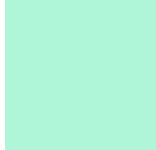
Protanomaly

78.3151, 0.3560, 0.4346



Deuteranomaly

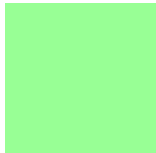
78.1510, 0.3362, 0.3919



Tritanomaly

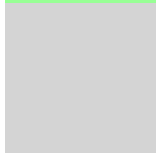
79.3766, 0.2863, 0.3623

Monochromacy



Original Color

80.3653, 0.3083, 0.4577



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1081, 0.3112, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3653, 0.3083, 0.4577 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(152, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 149)  
}
```

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(152, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 80.3653, 0.3083, 0.4577 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(152, 255, 149) }
```

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

```
.border{ border-color:rgb(152, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3653, 0.3083, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 149) }
```

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

```
.background{ background-color: rgb(152,  
255, 149) }
```

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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