

Converting Colors

$Yxy(80.3092, 0.3095, 0.4604)$

Have a look what the booklet for
Yxy(80.3092, 0.3095, 0.4604)
contains.

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Color

Yxy(80.3020, 0.3093, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	98FF93
RGB	152, 255, 147
RGB Percent	60%, 100%, 58%
CMY	0.4037, 0.0000, 0.4236
CMYK	0.40, 0.00, 0.42, 0.00
HSL	117°, 100%, 79%
HSV	117°, 42%, 100%
XYZ	53.9826, 80.3020, 40.2470
YIQ	211.8910, -26.7200, -55.4240

Conversions

Conversions Part 2

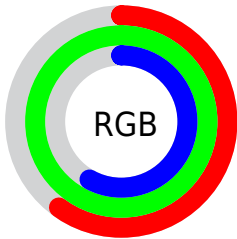
Format	Color
RYB	147, 255, 250
Decimal	10026899
CIELab	91.82, -50.67, 42.36
CIELCh	92, 66.047, 140.103
Yxy	80.3020, 0.3093, 0.4601
Android (android.graphics.Color)	4288216979 (0xFF98FF93)
YUV	211.8910, -31.9913, -52.5244
Hunter-Lab	89.6114, -49.2901, 36.0992

Details

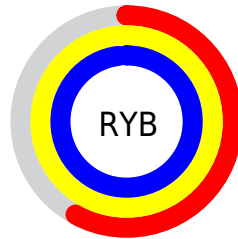
The Yxy color **80.3020, 0.3093, 0.4601** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3862, 0.3133, 0.2234**, and the grayscale version is **66.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4859, 0.3149, 0.3861**, and **43.6292, 0.3055, 0.4949** is the 20% darker color. If you saturate the color by 10%, you get **77.4812, 0.3079, 0.4959**, and if you desaturate by 10%, it is **83.7872, 0.3105, 0.4248**.

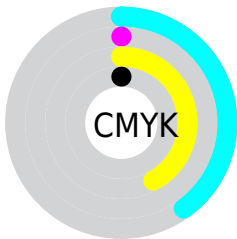
Distribution



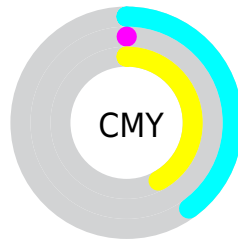
- Red (60%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (98%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3020, 0.3093, 0.4601 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 80.3020, 0.3093, 0.4601 by changing the saturation by 10% instead.


 80.3020, 0.3093,
0.4601

 80.3020, 0.3093,
0.4601


495.9500, 0.3136,
0.3965

 59.9669, 0.3076,
0.4752


 133.7902, 0.3114,
0.4375

 43.3920, 0.3051,
0.4940


 167.7122, 0.3120,
0.4289

 30.1928, 0.3012,
0.5180


206.9318, 0.3125,
0.4215

 19.9850, 0.2951,
0.5497

251.8336, 0.3128,
0.4151

 12.3841, 0.2848,
0.5925

302.8020, 0.3131,
0.4096

 7.0058, 0.2660,
0.6526

360.2212, 0.3133,

 3.4658, 0.2373,

0.4047

0.7627

424.4758, 0.3134,
0.4003

■ 1.3795, 0.0049,
0.9951

■ 0.2015, 0.0000,
1.0000

■ 80.3020, 0.3093,
0.4601

■ 80.3020, 0.3093,
0.4601

■ 77.4812, 0.3079,
0.4959

■ 83.7872, 0.3105,
0.4248

■ 75.2733, 0.3063,
0.5298

■ 87.9646, 0.3114,
0.3916

■ 73.6357, 0.3046,
0.5590

■ 92.8722, 0.3121,
0.3615

■ 72.5158, 0.3029,
0.5810

■ 98.5429, 0.3126,
0.3348

■ 71.8513, 0.3014,
0.5944

99.9978, 0.3127,
0.3290

■ 71.5961, 0.3007,
0.5995

Harmonies

Analogous

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



80.3020, 0.3822, 0.4673



80.3020, 0.3093, 0.4601



80.3020, 0.2413, 0.3991

Triad

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



80.3020, 0.3093, 0.4601



80.3020, 0.1935, 0.2192



80.3020, 0.4435, 0.3204

Complementary

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



80.3020, 0.3093, 0.4601



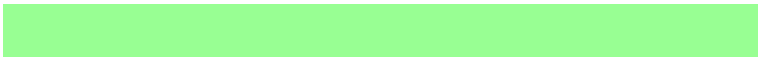
48.3862, 0.3133, 0.2234

Split Complementary

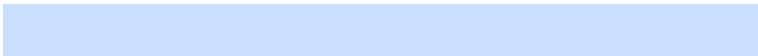
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3020, 0.3797, 0.2696



80.3020, 0.3093, 0.4601



80.3020, 0.2344, 0.2137

Square

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



80.3020, 0.3093, 0.4601



80.3020, 0.1803, 0.2527



80.3020, 0.3007, 0.2319



80.3020, 0.4653, 0.3768

Rectangle

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



80.3020, 0.3093, 0.4601



80.3020, 0.2078, 0.3436



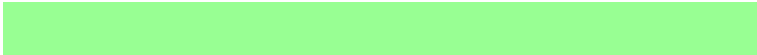
80.3020, 0.3007, 0.2319



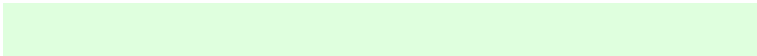
80.3020, 0.4259, 0.3025

Sweetspot

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



80.3054, 0.3093, 0.4601



92.5394, 0.3121, 0.3633



91.4853, 0.3781, 0.4294



19.5639, 0.3119, 0.3697



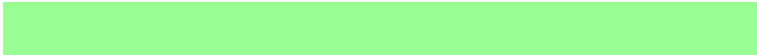
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

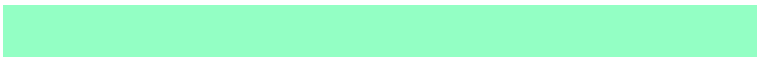
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3054, 0.3093, 0.4601



77.8310, 0.3081, 0.4911



81.6852, 0.2827, 0.4002



20.2089, 0.3123, 0.3535



37.4289, 0.3010, 0.5992



3.6580, 0.3033, 0.5974

Inverse Universe

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



48.3862, 0.3133, 0.2234



41.9907, 0.3131, 0.2041



46.5942, 0.3617, 0.2681



18.2542, 0.3130, 0.3055



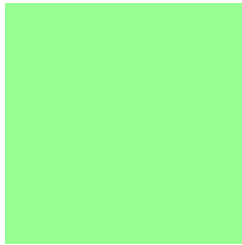
13.7466, 0.3091, 0.1477



1.3514, 0.3106, 0.1484

Previews

White Background



This preview shows how the Yxy color 80.3020, 0.3093, 0.4601 looks on a white background.

Color Contrast Check

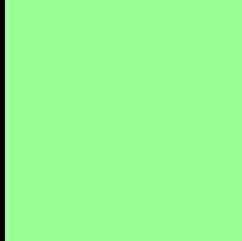
Large Text (above 18pt) WCAG AA × Fail

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 80.3020, 0.3093, 0.4601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

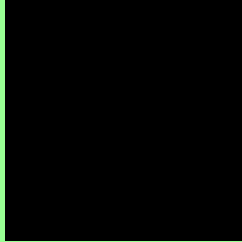
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

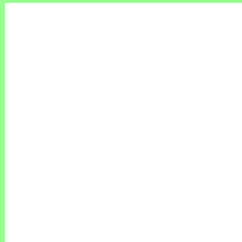
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3020, 0.3093, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 80.3020, 0.3093, 0.4601.



This preview shows how white text looks on a background with the Yxy color 80.3020, 0.3093, 0.4601.

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

80.3020, 0.3093, 0.4601

Protanopia

79.1241, 0.3892, 0.4217

Deuteranopia

79.0959, 0.3542, 0.3586



Tritanopia

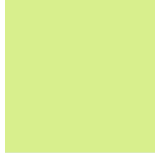
79.6444, 0.2725, 0.3116

Trichromacy



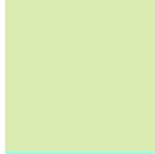
Original Color

80.3020, 0.3093, 0.4601



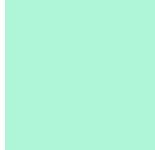
Protanomaly

78.2550, 0.3571, 0.4367



Deuteranomaly

78.1107, 0.3369, 0.3931



Tritanomaly

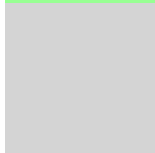
79.3766, 0.2863, 0.3623

Monochromacy



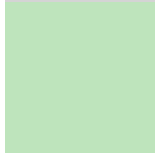
Original Color

80.3020, 0.3093, 0.4601



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0648, 0.3119, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3020, 0.3093, 0.4601 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 80.3020, 0.3093, 0.4601 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, 147) }
```

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

```
.border{ border-color:rgb(152, 255, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3020, 0.3093, 0.4601 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, 147) }
```

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

```
.background{ background-color: rgb(152,  
255, 147) }
```

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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