

Converting Colors

Yxy(80.0914, 0.3158, 0.4739)

Have a look what the booklet for
Yxy(80.0914, 0.3158, 0.4739)
contains.

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Color

Yxy(80.1393, 0.3160, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	9AFF87
RGB	154, 255, 135
RGB Percent	60%, 100%, 53%
CMY	0.3961, 0.0000, 0.4705
CMYK	0.40, 0.00, 0.47, 0.00
HSL	111°, 100%, 76%
HSV	111°, 47%, 100%
XYZ	53.4600, 80.1393, 35.5780
YIQ	211.1210, -21.6760, -58.7320

Conversions

Conversions Part 2

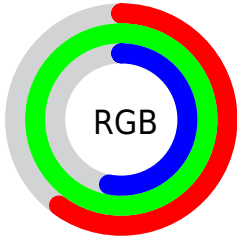
Format	Color
RYB	135, 255, 236
Decimal	10157959
CIELab	91.75, -51.70, 48.02
CIELCh	92, 70.557, 137.113
Yxy	80.1393, 0.3160, 0.4737
Android (android.graphics.Color)	4288348039 (0xFF9AFF87)
YUV	211.1210, -37.5277, -50.0951
Hunter-Lab	89.5206, -50.0640, 39.1009

Details

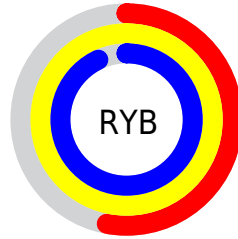
The Yxy color **80.1393, 0.3160, 0.4737** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.3894, 0.3017, 0.2085**, and the grayscale version is **65.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2348, 0.3230, 0.3991**, and **43.4842, 0.3122, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **77.5838, 0.3151, 0.5078**, and if you desaturate by 10%, it is **83.2440, 0.3161, 0.4391**.

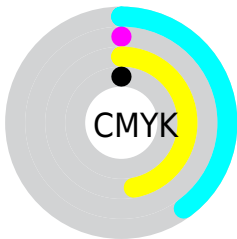
Distribution



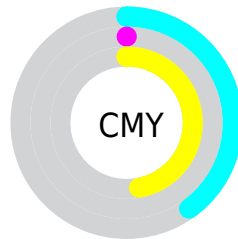
- Red (60%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1393, 0.3160, 0.4737 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 80.1393, 0.3160, 0.4737 by changing the saturation by 10% instead.


 80.1393, 0.3160,
0.4737

 80.1393, 0.3160,
0.4737


495.4022, 0.3179,
0.4035


 59.8330, 0.3146,
0.4902


 133.5616, 0.3174,
0.4489

 43.2840, 0.3124,
0.5108


 167.4463, 0.3177,
0.4393

 30.1080, 0.3087,
0.5368


 206.6260, 0.3179,
0.4312

 19.9206, 0.3023,
0.5707

251.4850, 0.3180,
0.4241

 12.3373, 0.2911,
0.6158

302.4077, 0.3180,
0.4180

 6.9739, 0.2721,
0.6819


359.7785, 0.3180,


 3.4458, 0.2319,


0.4126


0.7681


423.9819, 0.3179,
0.4078


 1.3686, 0.0000,
1.0000

 0.1934, 0.0000,
1.0000


 80.1393, 0.3160,
0.4737


 80.1393, 0.3160,
0.4737


 77.5838, 0.3151,
0.5078


 83.2440, 0.3161,
0.4391


 75.5441, 0.3135,
0.5391

 86.9268, 0.3157,
0.4057

 73.9844, 0.3110,
0.5652

 91.2158, 0.3148,
0.3748

 72.8636, 0.3080,
0.5840

 96.1367, 0.3136,
0.3468

■ 72.1329, 0.3047,
0.5948

100.0000, 0.3127,
0.3290

■ 71.9779, 0.3039,
0.5969

Harmonies

Analogous

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



80.1393, 0.3927, 0.4739



80.1393, 0.3160, 0.4737



80.1393, 0.2426, 0.4128

Triad

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



80.1393, 0.3160, 0.4737



80.1393, 0.1840, 0.2147



80.1393, 0.4474, 0.3134

Complementary

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



80.1393, 0.3160, 0.4737



42.3894, 0.3017, 0.2085

Split Complementary

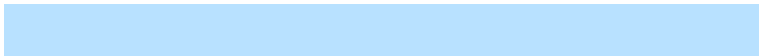
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1393, 0.3758, 0.2612



80.1393, 0.3160, 0.4737



80.1393, 0.2239, 0.2066

Square

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



80.1393, 0.3160, 0.4737



80.1393, 0.1730, 0.2526



80.1393, 0.2915, 0.2235



80.1393, 0.4753, 0.3723

Rectangle

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



80.1393, 0.3160, 0.4737



80.1393, 0.2056, 0.3531



80.1393, 0.2915, 0.2235



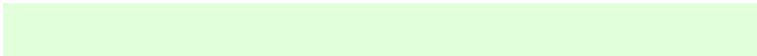
80.1393, 0.4272, 0.2949

Sweetspot

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



80.1396, 0.3160, 0.4737



92.6494, 0.3145, 0.3659



82.4282, 0.3910, 0.4279



19.6125, 0.3147, 0.3722



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.



80.1396, 0.3160, 0.4737



77.8277, 0.3153, 0.5043



79.7680, 0.2870, 0.4279



20.3061, 0.3140, 0.3534



37.6506, 0.3046, 0.5964



3.7037, 0.3107, 0.5915

Inverse Universe

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



42.3894, 0.3017, 0.2085



36.0772, 0.2985, 0.1880



43.4997, 0.3551, 0.2484



18.1463, 0.3113, 0.3054



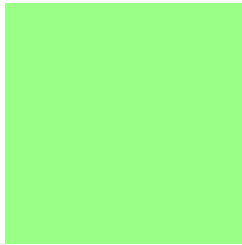
11.3493, 0.2811, 0.1322



1.1424, 0.2859, 0.1349

Previews

White Background



This preview shows how the Yxy color 80.1393, 0.3160, 0.4737 looks on a white background.

Color Contrast Check

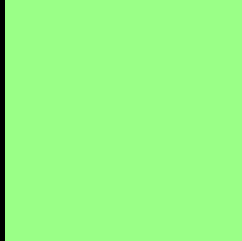
Large Text (above 18pt) WCAG AA × Fail

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 80.1393, 0.3160, 0.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

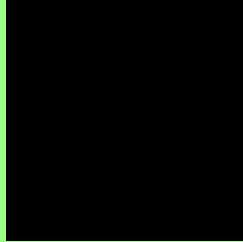
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

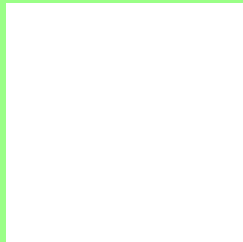
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1393, 0.3160, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 80.1393, 0.3160, 0.4737.

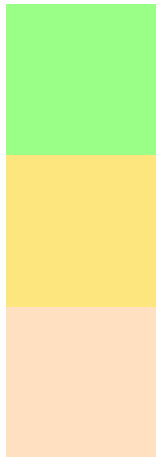


This preview shows how white text looks on a background with the Yxy color 80.1393, 0.3160, 0.4737.

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

80.1393, 0.3160, 0.4737

Protanopia

78.9826, 0.3972, 0.4323

Deuteranopia

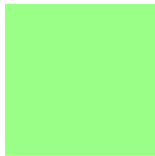
78.9607, 0.3563, 0.3616



Tritanopia

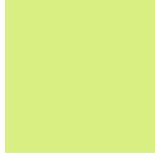
79.6444, 0.2725, 0.3116

Trichromacy



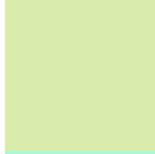
Original Color

80.1393, 0.3160, 0.4737



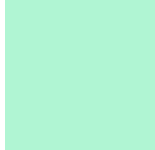
Protanomaly

78.0697, 0.3646, 0.4487



Deuteranomaly

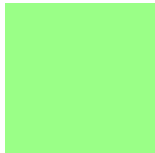
77.8749, 0.3406, 0.3998



Tritanomaly

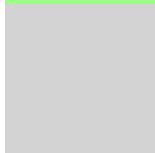
79.2381, 0.2896, 0.3682

Monochromacy



Original Color

80.1393, 0.3160, 0.4737



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3042, 0.3151, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1393, 0.3160, 0.4737 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(154, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 135)  
}
```

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(154, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 80.1393, 0.3160, 0.4737 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(154, 255, 135) }
```

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

```
.border{ border-color:rgb(154, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1393, 0.3160, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 135) }
```

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

```
.background{ background-color: rgb(154,  
255, 135) }
```

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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