

Converting Colors

Yxy(79.4692, 0.3167, 0.4834)

Have a look what the booklet for
Yxy(79.4692, 0.3167, 0.4834)
contains.

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Color

Yxy(79.4681, 0.3163, 0.4830)

Conversions

Conversions Part 1

Format	Color
Hex	95FF80
RGB	149, 255, 128
RGB Percent	58%, 100%, 50%
CMY	0.4160, 0.0000, 0.4980
CMYK	0.42, 0.00, 0.50, 0.00
HSL	110°, 100%, 75%
HSV	110°, 50%, 100%
XYZ	52.0409, 79.4681, 33.0212
YIQ	208.8280, -22.4090, -61.9690

Conversions

Conversions Part 2

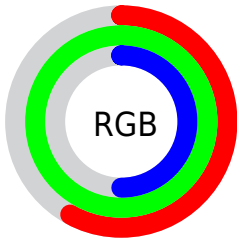
Format	Color
RYB	128, 255, 234
Decimal	9830272
CIELab	91.45, -54.08, 50.88
CIELCh	91, 74.253, 136.748
Yxy	79.4681, 0.3163, 0.4830
Android (android.graphics.Color)	4288020352 (0xFF95FF80)
YUV	208.8280, -39.8482, -52.4692
Hunter-Lab	89.1449, -51.7990, 40.4391

Details

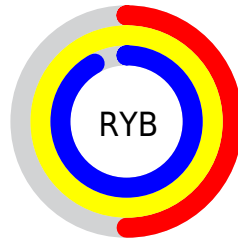
The Yxy color **79.4681, 0.3163, 0.4830** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **40.1689, 0.3000, 0.2017**, and the grayscale version is **63.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3488, 0.3243, 0.4075**, and **42.6142, 0.3119, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **77.0496, 0.3153, 0.5165**, and if you desaturate by 10%, it is **82.4081, 0.3166, 0.4484**.

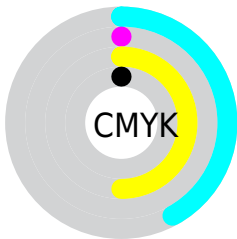
Distribution



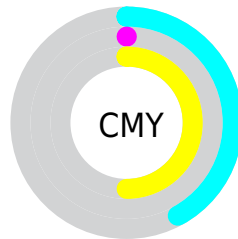
- Red (58%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4681, 0.3163, 0.4830 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 79.4681, 0.3163, 0.4830 by changing the saturation by 10% instead.


 79.4681, 0.3163,
0.4830


 79.4681, 0.3163,
0.4830


493.1385, 0.3185,
0.4081


 59.2808, 0.3147,
0.5006


 132.6176, 0.3179,
0.4565

 42.8392, 0.3121,
0.5225


 166.3486, 0.3183,
0.4463

 29.7589, 0.3077,
0.5502


 205.3630, 0.3185,
0.4376

 19.6557, 0.3004,
0.5861

250.0450, 0.3186,
0.4301

 12.1450, 0.2874,
0.6333

300.7792, 0.3187,
0.4235

 6.8425, 0.2678,
0.7080

357.9499, 0.3187,


 3.3638, 0.2184,

0.4178

0.7816


421.9416, 0.3186,
0.4126


 1.3245, 0.0000,
1.0000


 0.1600, 0.0000,
1.0000


 79.4681, 0.3163,
0.4830


 79.4681, 0.3163,
0.4830


 77.0496, 0.3153,
0.5165


 82.4081, 0.3166,
0.4484

 75.1400, 0.3134,
0.5466

 85.9199, 0.3162,
0.4146

 73.6959, 0.3107,
0.5708

 90.0245, 0.3153,
0.3830

 72.6753, 0.3075,
0.5874

 94.7479, 0.3141,
0.3542

■ 72.0223, 0.3043,
0.5965

100.0000, 0.3127,
0.3290

■ 72.0121, 0.3042,
0.5967

Harmonies

Analogous

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



79.4681, 0.3966, 0.4809



79.4681, 0.3163, 0.4830



79.4681, 0.2394, 0.4190

Triad

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



79.4681, 0.3163, 0.4830



79.4681, 0.1779, 0.2094



79.4681, 0.4542, 0.3113

Complementary

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



79.4681, 0.3163, 0.4830



40.1689, 0.3000, 0.2017

Split Complementary

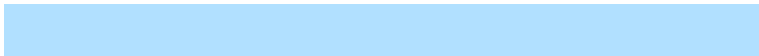
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4681, 0.3779, 0.2573



79.4681, 0.3163, 0.4830



79.4681, 0.2188, 0.2011

Square

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



79.4681, 0.3163, 0.4830



79.4681, 0.1668, 0.2489



79.4681, 0.2891, 0.2184



79.4681, 0.4838, 0.3723

Rectangle

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



79.4681, 0.3163, 0.4830



79.4681, 0.2007, 0.3552



79.4681, 0.2891, 0.2184



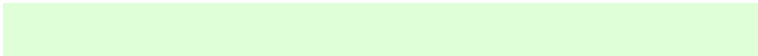
79.4681, 0.4326, 0.2922

Sweetspot

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



79.4613, 0.3163, 0.4830



92.2125, 0.3147, 0.3688



81.5708, 0.3957, 0.4331



19.5278, 0.3150, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

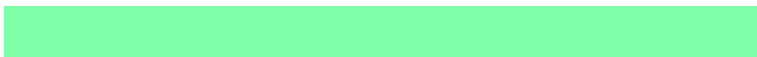
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4613, 0.3163, 0.4830



77.0064, 0.3152, 0.5171



79.0254, 0.2859, 0.4349



20.3118, 0.3140, 0.3534



37.6698, 0.3049, 0.5961



3.7064, 0.3111, 0.5912

Inverse Universe

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



40.1689, 0.3000, 0.2017



33.5134, 0.2960, 0.1792



41.4890, 0.3585, 0.2441



18.1401, 0.3111, 0.3054



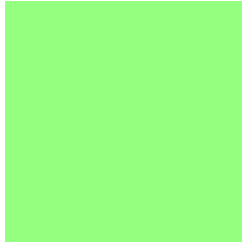
11.2210, 0.2795, 0.1313



1.1311, 0.2845, 0.1341

Previews

White Background



This preview shows how the Yxy color 79.4681, 0.3163, 0.4830 looks on a white background.

Color Contrast Check

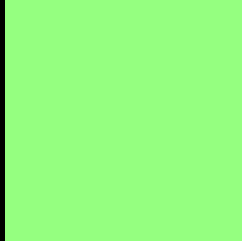
Large Text (above 18pt) WCAG AA × Fail

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 79.4681, 0.3163, 0.4830 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

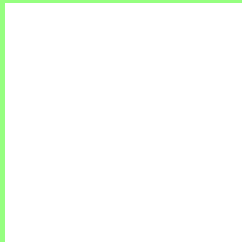
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4681, 0.3163, 0.4830

Background



This preview shows how black text looks on a background with the Yxy color 79.4681, 0.3163, 0.4830.

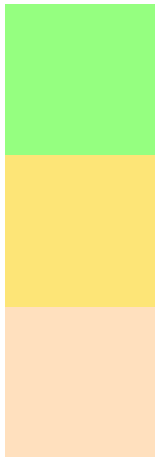


This preview shows how white text looks on a background with the Yxy color 79.4681, 0.3163, 0.4830.

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

79.4681, 0.3163, 0.4830

Protanopia

78.2532, 0.4017, 0.4375

Deuteranopia

78.2890, 0.3586, 0.3637



Tritanopia

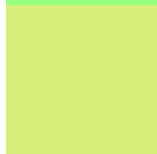
79.1434, 0.2703, 0.3115

Trichromacy



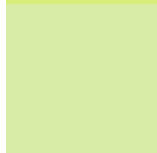
Original Color

79.4681, 0.3163, 0.4830



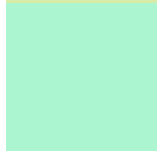
Protanomaly

77.0013, 0.3673, 0.4553



Deuteranomaly

76.8056, 0.3425, 0.4047



Tritanomaly

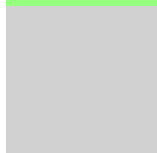
78.5662, 0.2878, 0.3710

Monochromacy



Original Color

79.4681, 0.3163, 0.4830



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2528, 0.3149, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4681, 0.3163, 0.4830 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(149, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 128)  
}
```

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(149, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 79.4681, 0.3163, 0.4830 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(149, 255, 128) }
```

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

```
.border{ border-color:rgb(149, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4681, 0.3163, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 128) }
```

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

```
.background{ background-color: rgb(149,  
255, 128) }
```

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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