

Converting Colors

$Y_{xy}(100.0000, 0.3134, 0.4926)$

Have a look what the booklet for
Yxy(100.0000, 0.3134, 0.4926)
contains.

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Color

Yxy(80.2661, 0.3161, 0.4723)

Conversions

Conversions Part 1

Format	Color
Hex	9BFF88
RGB	155, 255, 136
RGB Percent	61%, 100%, 53%
CMY	0.3922, 0.0000, 0.4666
CMYK	0.39, 0.00, 0.47, 0.00
HSL	110°, 100%, 77%
HSV	110°, 47%, 100%
XYZ	53.7203, 80.2661, 35.9608
YIQ	211.5340, -21.4010, -58.2090

Conversions

Conversions Part 2

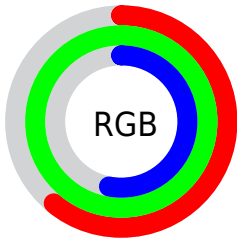
Format	Color
RYB	136, 255, 236
Decimal	10223496
CIELab	91.80, -51.27, 47.62
CIElCh	92, 69.978, 137.114
Yxy	80.2661, 0.3161, 0.4723
Android (android.graphics.Color)	4288413576 (0xFF9BFF88)
YUV	211.5340, -37.2383, -49.5803
Hunter-Lab	89.5914, -49.7535, 38.9157

Details

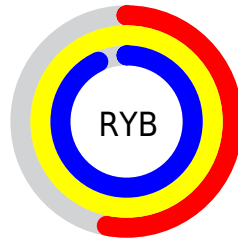
The Yxy color **80.2661, 0.3161, 0.4723** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.6734, 0.3017, 0.2095**, and the grayscale version is **65.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4277, 0.3230, 0.3979**, and **43.5541, 0.3124, 0.5099** is the 20% darker color. If you saturate the color by 10%, you get **77.6886, 0.3153, 0.5064**, and if you desaturate by 10%, it is **83.3909, 0.3162, 0.4377**.

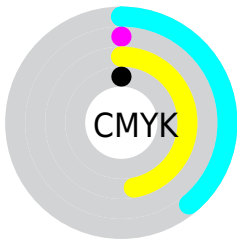
Distribution



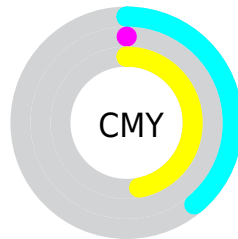
- Red (61%)
- Green (100%)
- Blue (53%)



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



- Cyan (39%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2661, 0.3161, 0.4723 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 80.2661, 0.3161, 0.4723 by changing the saturation by 10% instead.


 80.2661, 0.3161,
0.4723

 80.2661, 0.3161,
0.4723


495.8292, 0.3179,
0.4028


 59.9374, 0.3148,
0.4886


 133.7398, 0.3174,
0.4477

 43.3681, 0.3126,
0.5090


 167.6535, 0.3178,
0.4383

 30.1741, 0.3090,
0.5348


 206.8644, 0.3179,
0.4302

 19.9707, 0.3028,
0.5683


251.7567, 0.3180,
0.4233

 12.3738, 0.2919,
0.6131

302.7150, 0.3180,
0.4172

 6.9988, 0.2731,
0.6780


360.1236, 0.3180,


 3.4613, 0.2343,


0.4118


0.7657


424.3668, 0.3179,
0.4071


 1.3771, 0.0000,
1.0000


 0.1997, 0.0000,
1.0000


 80.2661, 0.3161,
0.4723


 80.2661, 0.3161,
0.4723


 77.6886, 0.3153,
0.5064

 83.3909, 0.3162,
0.4377


 75.6285, 0.3136,
0.5379

 87.0950, 0.3157,
0.4045

 74.0491, 0.3112,
0.5642

 91.4052, 0.3148,
0.3736

 72.9097, 0.3082,
0.5833

 96.3472, 0.3136,
0.3458

■ 72.1624, 0.3049,
0.5944

100.0000, 0.3127,
0.3290

■ 71.9841, 0.3040,
0.5969

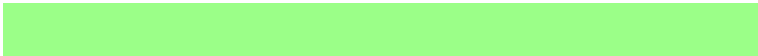
Harmonies

Analogous

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



80.2661, 0.3922, 0.4727



80.2661, 0.3161, 0.4723



80.2661, 0.2432, 0.4120

Triad

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



80.2661, 0.3161, 0.4723



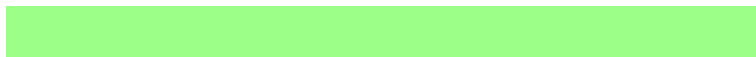
80.2661, 0.1849, 0.2155



80.2661, 0.4462, 0.3136

Complementary

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



80.2661, 0.3161, 0.4723



42.6734, 0.3017, 0.2095

Split Complementary

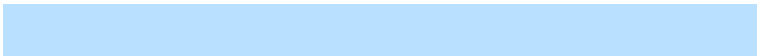
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2661, 0.3752, 0.2618



80.2661, 0.3161, 0.4723



80.2661, 0.2246, 0.2075

Square

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



80.2661, 0.3161, 0.4723



80.2661, 0.1740, 0.2533



80.2661, 0.2918, 0.2242



80.2661, 0.4740, 0.3721

Rectangle

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



80.2661, 0.3161, 0.4723



80.2661, 0.2064, 0.3530



80.2661, 0.2918, 0.2242



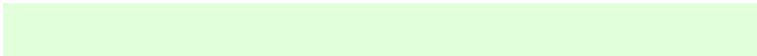
80.2661, 0.4262, 0.2953

Sweetspot

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



80.2653, 0.3161, 0.4723



92.6563, 0.3145, 0.3659



82.5524, 0.3904, 0.4272



19.6142, 0.3147, 0.3722



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

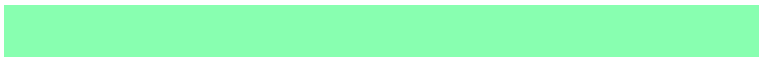
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2653, 0.3161, 0.4723



77.8420, 0.3154, 0.5043



79.8780, 0.2871, 0.4269



20.3071, 0.3140, 0.3534



37.6541, 0.3046, 0.5963



3.7042, 0.3108, 0.5914

Inverse Universe

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



42.6734, 0.3017, 0.2095



36.0484, 0.2983, 0.1879



43.7982, 0.3546, 0.2491



18.1452, 0.3112, 0.3054



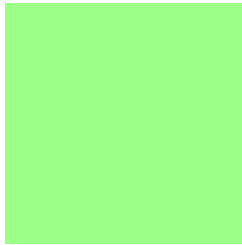
11.3255, 0.2808, 0.1321



1.1403, 0.2856, 0.1347

Previews

White Background



This preview shows how the Yxy color 80.2661, 0.3161, 0.4723 looks on a white background.

Color Contrast Check

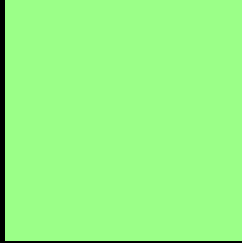
Large Text (above 18pt) WCAG AA × Fail

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 80.2661, 0.3161, 0.4723 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

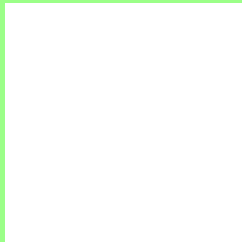
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2661, 0.3161, 0.4723

Background



This preview shows how black text looks on a background with the Yxy color 80.2661, 0.3161, 0.4723.

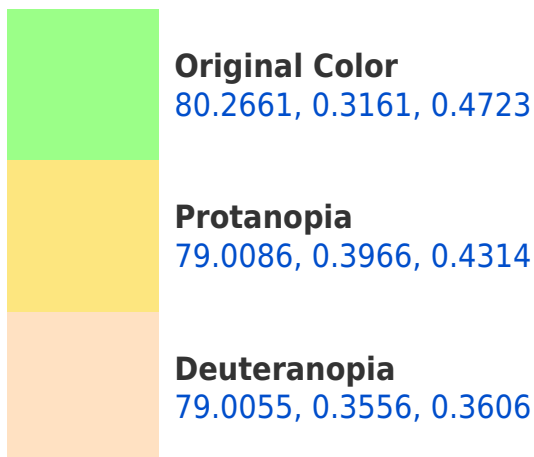


This preview shows how white text looks on a background with the Yxy color 80.2661, 0.3161, 0.4723.

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





Tritanopia

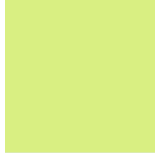
79.7718, 0.2731, 0.3116

Trichromacy



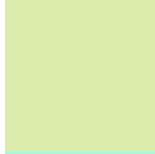
Original Color

80.2661, 0.3161, 0.4723



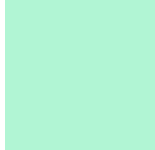
Protanomaly

78.0964, 0.3641, 0.4477



Deuteranomaly

78.0681, 0.3407, 0.3985



Tritanomaly

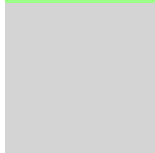
79.4054, 0.2896, 0.3670

Monochromacy



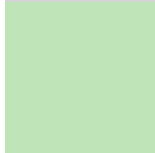
Original Color

80.2661, 0.3161, 0.4723



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0239, 0.3151, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2661, 0.3161, 0.4723 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(155, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 136)  
}
```

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(155, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 136) }
```

Border

The CSS property to change the border of an element to Yxy 80.2661, 0.3161, 0.4723 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(155, 255, 136) }
```

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

```
.border{ border-color:rgb(155, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 255, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 255, 136); box-shadow:4px 4px 4px 4px rgb(155, 255, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2661, 0.3161, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 136) }
```

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

```
.background{ background-color: rgb(155,  
255, 136) }
```

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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