

Converting Colors

$Yxy(81.0865, 0.3097, 0.4516)$

Have a look what the booklet for
Yxy(81.0865, 0.3097, 0.4516)
contains.

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Color

Yxy(81.0890, 0.3097, 0.4516)

Conversions

Conversions Part 1

Format	Color
Hex	9EFF99
RGB	158, 255, 153
RGB Percent	62%, 100%, 60%
CMY	0.3804, 0.0000, 0.4000
CMYK	0.38, 0.00, 0.40, 0.00
HSL	117°, 100%, 80%
HSV	117°, 40%, 100%
XYZ	55.6095, 81.0890, 42.8608
YIQ	214.3690, -25.0700, -52.2860

Conversions

Conversions Part 2

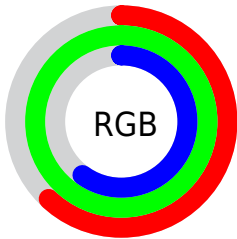
Format	Color
RYB	153, 255, 250
Decimal	10420121
CIELab	92.17, -48.07, 39.93
CIElCh	92, 62.485, 140.285
Yxy	81.0890, 0.3097, 0.4516
Android (android.graphics.Color)	4288610201 (0xFF9EFF99)
YUV	214.3690, -30.2549, -49.4356
Hunter-Lab	90.0494, -47.3548, 34.8143

Details

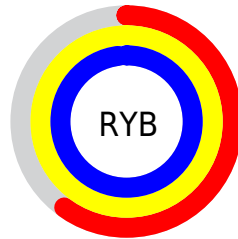
The Yxy color **81.0890, 0.3097, 0.4516** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.3329, 0.3132, 0.2289**, and the grayscale version is **67.7257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6730, 0.3153, 0.3789**, and **44.0750, 0.3061, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **78.1125, 0.3084, 0.4874**, and if you desaturate by 10%, it is **84.7300, 0.3108, 0.4167**.

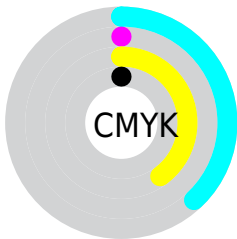
Distribution



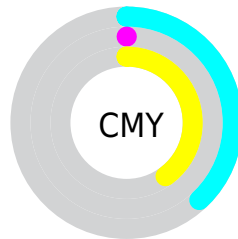
- Red (62%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0890, 0.3097, 0.4516 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 81.0890, 0.3097, 0.4516 by changing the saturation by 10% instead.


 81.0890, 0.3097,
0.4516

 81.0890, 0.3097,
0.4516


498.5953, 0.3134,
0.3923

 60.6149, 0.3082,
0.4656


 134.8957, 0.3115,
0.4306

 43.9145, 0.3060,
0.4831


 168.9971, 0.3120,
0.4226

 30.6033, 0.3027,
0.5054


208.4098, 0.3124,
0.4157

 20.2969, 0.2975,
0.5349

253.5181, 0.3128,
0.4098

 12.6111, 0.2886,
0.5749

304.7064, 0.3130,
0.4046

 7.1613, 0.2724,
0.6314


362.3591, 0.3132,


 3.5632, 0.2521,


0.4000


0.7479


426.8606, 0.3133,
0.3959

 1.4323, 0.0697,
0.9303


 0.2404, 0.0000,
1.0000


 81.0890, 0.3097,
0.4516


 81.0890, 0.3097,
0.4516


 78.1125, 0.3084,
0.4874

 84.7300, 0.3108,
0.4167

 75.7615, 0.3068,
0.5220

 89.0737, 0.3116,
0.3842

 73.9910, 0.3051,
0.5526

 94.1539, 0.3123,
0.3549

 72.7504, 0.3034,
0.5765

100.0000, 0.3127,
0.3290

■ 71.9806, 0.3018,
0.5920

■ 71.6016, 0.3007,
0.5994

■ 71.6015, 0.3007,
0.5994

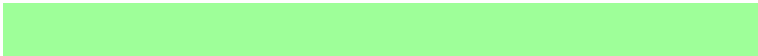
Harmonies

Analogous

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



81.0890, 0.3788, 0.4597



81.0890, 0.3097, 0.4516



81.0890, 0.2450, 0.3944

Triad

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



81.0890, 0.3097, 0.4516



81.0890, 0.1994, 0.2247



81.0890, 0.4363, 0.3218

Complementary

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



81.0890, 0.3097, 0.4516



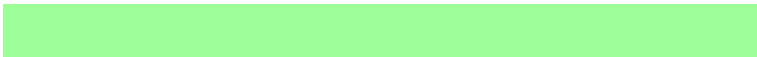
50.3329, 0.3132, 0.2289

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.



81.0890, 0.3765, 0.2730



81.0890, 0.3097, 0.4516



81.0890, 0.2388, 0.2193

Square

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



81.0890, 0.3097, 0.4516



81.0890, 0.1867, 0.2569



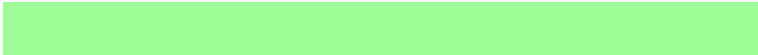
81.0890, 0.3020, 0.2367



81.0890, 0.4569, 0.3757

Rectangle

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



81.0890, 0.3097, 0.4516



81.0890, 0.2131, 0.3427



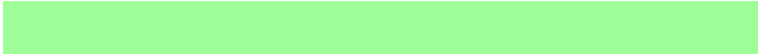
81.0890, 0.3020, 0.2367



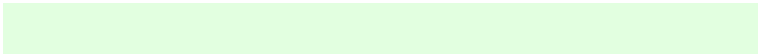
81.0890, 0.4198, 0.3046

Sweetspot

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



81.0886, 0.3097, 0.4516



93.0753, 0.3122, 0.3605



91.8696, 0.3746, 0.4241



19.7750, 0.3121, 0.3642



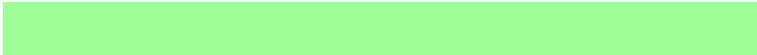
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

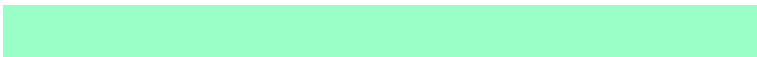
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0886, 0.3097, 0.4516



78.6553, 0.3086, 0.4803



82.4124, 0.2841, 0.3955



20.2104, 0.3123, 0.3535



37.4310, 0.3010, 0.5992



3.6588, 0.3034, 0.5973

Inverse Universe

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



50.3329, 0.3132, 0.2289



44.0292, 0.3130, 0.2105



48.6543, 0.3580, 0.2715



18.2525, 0.3130, 0.3055



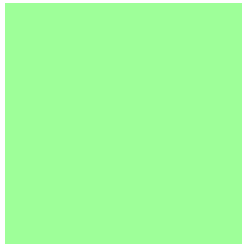
13.7063, 0.3087, 0.1474



1.3479, 0.3102, 0.1482

Previews

White Background



This preview shows how the Yxy color 81.0890, 0.3097, 0.4516 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 81.0890, 0.3097, 0.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

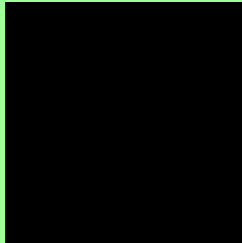
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0890, 0.3097, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 81.0890, 0.3097, 0.4516.

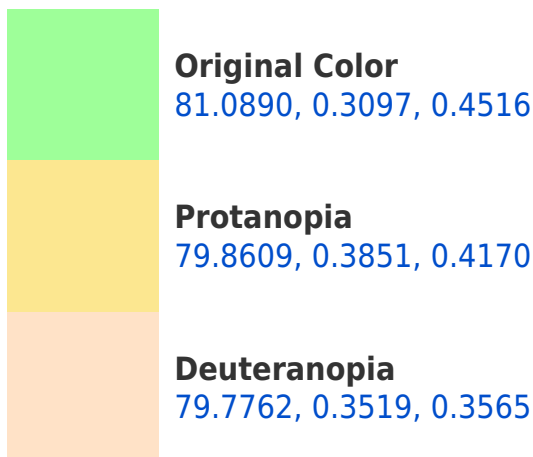


This preview shows how white text looks on a background with the Yxy color 81.0890, 0.3097, 0.4516.

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

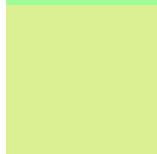
80.7466, 0.2748, 0.3128

Trichromacy



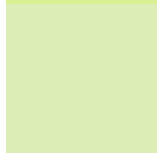
Original Color

81.0890, 0.3097, 0.4516



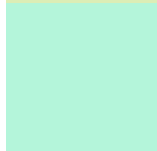
Protanomaly

79.3322, 0.3548, 0.4308



Deuteranomaly

79.1614, 0.3356, 0.3893



Tritanomaly

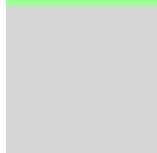
80.0701, 0.2881, 0.3597

Monochromacy



Original Color

81.0890, 0.3097, 0.4516



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.3137, 0.3120, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0890, 0.3097, 0.4516 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(158, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 153)  
}
```

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(158, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 81.0890, 0.3097, 0.4516 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(158, 255, 153) }
```

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

```
.border{ border-color:rgb(158, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0890, 0.3097, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 153) }
```

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

```
.background{ background-color: rgb(158,  
255, 153) }
```

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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