

Converting Colors

$Y_{xy}(136.0616, 0.2976, 0.4910)$

Have a look what the booklet for
Yxy(136.0616, 0.2976, 0.4910)
contains.

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Color

Yxy(80.4210, 0.2963, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	92FFA7
RGB	146, 255, 167
RGB Percent	57%, 100%, 65%
CMY	0.4277, 0.0000, 0.3451
CMYK	0.43, 0.00, 0.35, 0.00
HSL	132°, 100%, 79%
HSV	132°, 43%, 100%
XYZ	54.5780, 80.4210, 49.1994
YIQ	212.3770, -36.7160, -50.4760

Conversions

Conversions Part 2

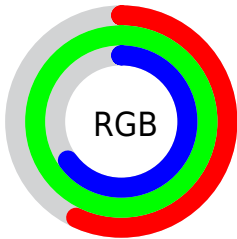
Format	Color
RYB	146, 237, 255
Decimal	9633703
CIELab	91.87, -49.38, 32.52
CIElCh	92, 59.128, 146.637
Yxy	80.4210, 0.2963, 0.4366
Android (android.graphics.Color)	4287823783 (0xFF92FFA7)
YUV	212.3770, -22.3709, -58.2126
Hunter-Lab	89.6778, -48.3008, 30.2465

Details

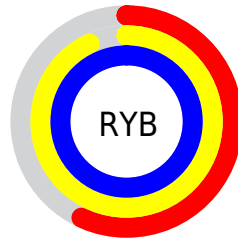
The Yxy color **80.4210, 0.2963, 0.4366** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.7311, 0.3358, 0.2416**, and the grayscale version is **66.2550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6851, 0.2997, 0.3633**, and **43.6778, 0.2904, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **77.6317, 0.2935, 0.4671**, and if you desaturate by 10%, it is **83.8378, 0.2997, 0.4074**.

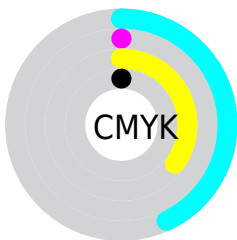
Distribution



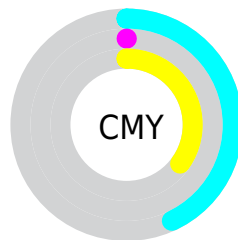
- Red (57%)
- Green (100%)
- Blue (65%)



- Red (57%)
- Yellow (93%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4210, 0.2963, 0.4366 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 80.4210, 0.2963, 0.4366 by changing the saturation by 10% instead.


 80.4210, 0.2963,
0.4366

 80.4210, 0.2963,
0.4366


496.3505, 0.3056,
0.3845

 60.0649, 0.2938,
0.4490


 133.9575, 0.2999,
0.4181

 43.4709, 0.2904,
0.4646


 167.9066, 0.3011,
0.4110

 30.2548, 0.2858,
0.4846


207.1555, 0.3022,
0.4050

 20.0320, 0.2791,
0.5113


252.0886, 0.3031,
0.3997

 12.4183, 0.2688,
0.5483

303.0902, 0.3038,
0.3952

 7.0293, 0.2519,
0.6021

360.5448, 0.3045,

 3.4804, 0.2260,

0.3912

0.7008

424.8368, 0.3051,
0.3876

■ 1.3874, 0.0306,
0.9694

■ 0.2074, 0.0000,
1.0000

■ 80.4210, 0.2963,
0.4366

■ 80.4210, 0.2963,
0.4366

■ 77.6317, 0.2935,
0.4671

■ 83.8378, 0.2997,
0.4074

■ 75.4511, 0.2917,
0.4977

■ 87.9411, 0.3036,
0.3804

■ 73.8261, 0.2911,
0.5267

■ 92.7579, 0.3076,
0.3561

■ 72.7047, 0.2918,
0.5522

■ 98.3203, 0.3116,
0.3345

■ 72.0242, 0.2937,
0.5726

100.0000, 0.3127,
0.3290

■ 71.7439, 0.2954,
0.5836

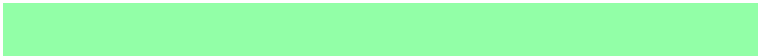
Harmonies

Analogous

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



80.4210, 0.3629, 0.4553



80.4210, 0.2963, 0.4366



80.4210, 0.2376, 0.3757

Triad

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



80.4210, 0.2963, 0.4366



80.4210, 0.2103, 0.2263



80.4210, 0.4377, 0.3334

Complementary

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



80.4210, 0.2963, 0.4366



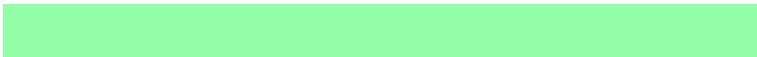
47.7311, 0.3358, 0.2416

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.



80.4210, 0.3874, 0.2848



80.4210, 0.2963, 0.4366



80.4210, 0.2535, 0.2258

Square

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



80.4210, 0.2963, 0.4366



80.4210, 0.1925, 0.2518



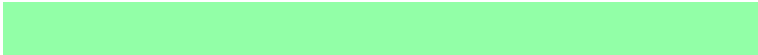
80.4210, 0.3175, 0.2468



80.4210, 0.4485, 0.3853

Rectangle

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



80.4210, 0.2963, 0.4366



80.4210, 0.2105, 0.3270



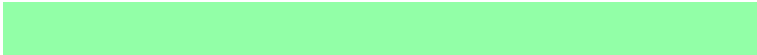
80.4210, 0.3175, 0.2468



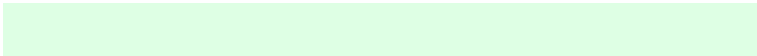
80.4210, 0.4247, 0.3165

Sweetspot

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



80.4137, 0.2963, 0.4366



92.6414, 0.3075, 0.3566



91.2556, 0.3628, 0.4403



19.5888, 0.3066, 0.3618



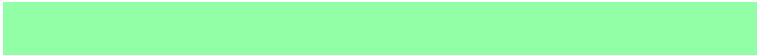
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.4137, 0.2963, 0.4366



78.0804, 0.2940, 0.4616



82.8157, 0.2702, 0.3694



20.2255, 0.3089, 0.3487



37.5039, 0.2948, 0.5814



3.6660, 0.2895, 0.5623

Inverse Universe

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



47.7311, 0.3358, 0.2416



41.6212, 0.3416, 0.2263



45.1087, 0.3886, 0.2931



18.2367, 0.3168, 0.3100



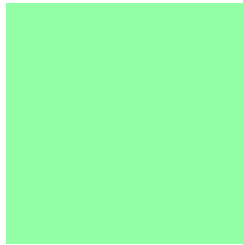
13.4524, 0.3769, 0.1850



1.3245, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 80.4210, 0.2963, 0.4366 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 80.4210, 0.2963, 0.4366 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 80.4210, 0.2963, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 80.4210, 0.2963, 0.4366.

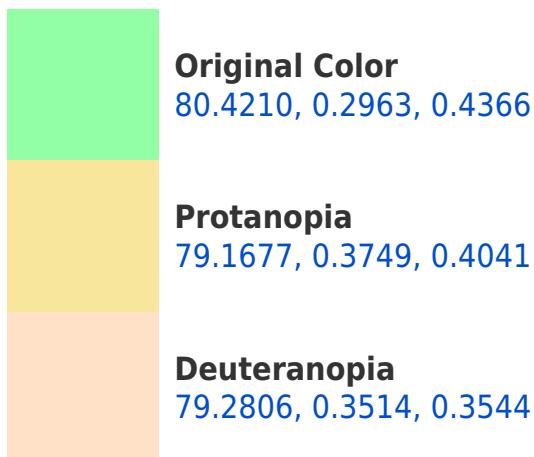


This preview shows how white text looks on a background with the Yxy color 80.4210, 0.2963, 0.4366.

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

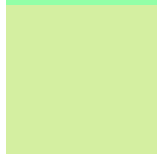
79.8545, 0.2710, 0.3126

Trichromacy



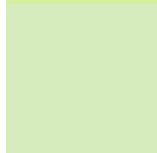
Original Color

80.4210, 0.2963, 0.4366



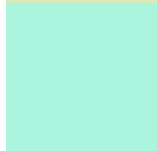
Protanomaly

78.3033, 0.3425, 0.4161



Deuteranomaly

78.0688, 0.3285, 0.3822



Tritanomaly

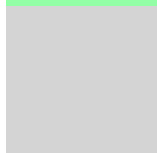
79.2905, 0.2804, 0.3542

Monochromacy



Original Color

80.4210, 0.2963, 0.4366



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1637, 0.3055, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4210, 0.2963, 0.4366 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(146, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 167)  
}
```

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(146, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 80.4210, 0.2963, 0.4366 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(146, 255, 167) }
```

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

```
.border{ border-color:rgb(146, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(146, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4210, 0.2963, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 167) }
```

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

```
.background{ background-color: rgb(146,  
255, 167) }
```

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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