

Converting Colors

$Y_{xy}(100.0000, 0.2932, 0.4836)$

Have a look what the booklet for
Yxy(100.0000, 0.2932, 0.4836)
contains.

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Color

Yxy(78.0309, 0.2917, 0.4582)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF99
RGB	123, 255, 153
RGB Percent	48%, 100%, 60%
CMY	0.5178, 0.0000, 0.3999
CMYK	0.52, 0.00, 0.40, 0.00
HSL	134°, 100%, 74%
HSV	134°, 52%, 100%
XYZ	49.6762, 78.0309, 42.5917
YIQ	203.9040, -45.9300, -59.7060

Conversions

Conversions Part 2

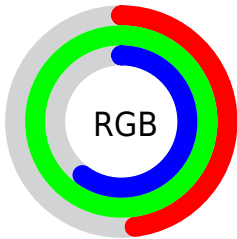
Format	Color
RYB	123, 231, 255
Decimal	8126361
CIELab	90.79, -57.56, 37.86
CIELCh	91, 68.899, 146.668
Yxy	78.0309, 0.2917, 0.4582
Android (android.graphics.Color)	4286316441 (0xFF7BFF99)
YUV	203.9040, -25.0957, -70.9528
Hunter-Lab	88.3351, -54.2051, 33.2473

Details

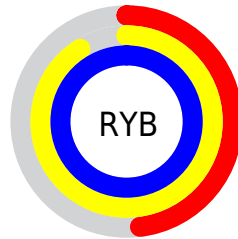
The Yxy color **78.0309, 0.2917, 0.4582** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.8503, 0.3467, 0.2288**, and the grayscale version is **60.4978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1413, 0.2955, 0.3818**, and **41.7716, 0.2833, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **75.7898, 0.2896, 0.4878**, and if you desaturate by 10%, it is **80.8659, 0.2948, 0.4290**.

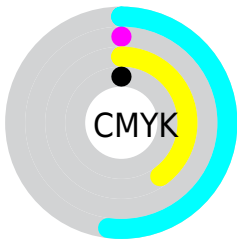
Distribution



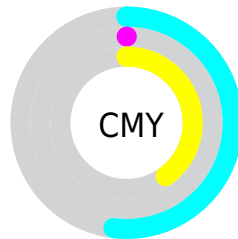
- Red (48%)
- Green (100%)
- Blue (60%)



- Red (48%)
- Yellow (91%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0309, 0.2917, 0.4582 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 78.0309, 0.2917, 0.4582 by changing the saturation by 10% instead.


 78.0309, 0.2917,
0.4582

 78.0309, 0.2917,
0.4582


488.2718, 0.3039,
0.3947

 58.0994, 0.2883,
0.4735


 130.5937, 0.2964,
0.4355

 41.8885, 0.2837,
0.4927

 163.9937, 0.2981,
0.4269

 29.0140, 0.2773,
0.5175


 202.6520, 0.2995,
0.4195

 19.0914, 0.2680,
0.5506

246.9530, 0.3007,
0.4132

 11.7364, 0.2537,
0.5965

297.2811, 0.3017,
0.4077

 6.5644, 0.2297,
0.6624

354.0207, 0.3025,

 3.1912, 0.1970,

0.4028

0.8030

417.5561, 0.3032,
0.3986

■ 1.2324, 0.0000,
1.0000

■ 0.0879, 0.0000,
1.0000

■ 78.0309, 0.2917,
0.4582

■ 78.0309, 0.2917,
0.4582

■ 75.7898, 0.2896,
0.4878

■ 80.8659, 0.2948,
0.4290

■ 74.1032, 0.2889,
0.5165


■ 84.3391, 0.2986,
0.4013

■ 72.9189, 0.2895,
0.5424

■ 88.4850, 0.3029,
0.3757

■ 72.1769, 0.2916,
0.5640

■ 93.3372, 0.3074,
0.3527

 71.8261, 0.2938,
0.5778

 98.9267, 0.3119,
0.3324

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.0309, 0.3687, 0.4779



78.0309, 0.2917, 0.4582



78.0309, 0.2246, 0.3840

Triad

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



78.0309, 0.2917, 0.4582



78.0309, 0.1950, 0.2106



78.0309, 0.4598, 0.3320

Complementary

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



78.0309, 0.2917, 0.4582



40.8503, 0.3467, 0.2288

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.



78.0309, 0.4004, 0.2774



78.0309, 0.2917, 0.4582



78.0309, 0.2436, 0.2109

Square

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



78.0309, 0.2917, 0.4582



78.0309, 0.1750, 0.2382



78.0309, 0.3176, 0.2347



78.0309, 0.4709, 0.3909

Rectangle

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



78.0309, 0.2917, 0.4582



78.0309, 0.1942, 0.3251



78.0309, 0.3176, 0.2347



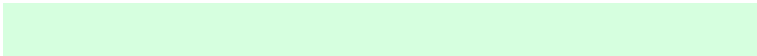
78.0309, 0.4446, 0.3130

Sweetspot

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



78.0293, 0.2917, 0.4582



91.2004, 0.3055, 0.3621



89.1815, 0.3685, 0.4640



19.3077, 0.3046, 0.3669



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.



78.0293, 0.2917, 0.4582



75.7465, 0.2896, 0.4885



80.7690, 0.2617, 0.3740



20.2359, 0.3084, 0.3479



37.5492, 0.2932, 0.5754



3.6718, 0.2875, 0.5549

Inverse Universe

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



40.8503, 0.3467, 0.2288



34.9055, 0.3557, 0.2130



37.9688, 0.4190, 0.2909



18.2254, 0.3173, 0.3108



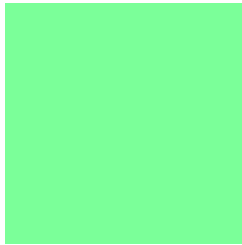
13.2376, 0.3886, 0.1915



1.3054, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 78.0309, 0.2917, 0.4582 looks on a white background.

Color Contrast Check

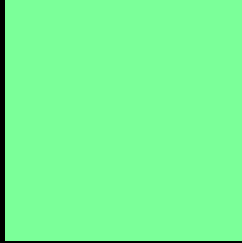
Large Text (above 18pt) WCAG AA × Fail

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 78.0309, 0.2917, 0.4582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

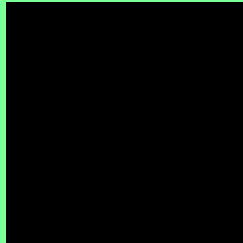
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0309, 0.2917, 0.4582

Background



This preview shows how black text looks on a background with the Yxy color 78.0309, 0.2917, 0.4582.



This preview shows how white text looks on a background with the Yxy color 78.0309, 0.2917, 0.4582.

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

78.0309, 0.2917, 0.4582

Protanopia

76.6653, 0.3842, 0.4166

Deuteranopia

76.6470, 0.3601, 0.3618



Tritanopia

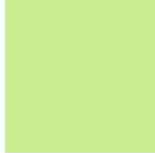
77.3880, 0.2624, 0.3111

Trichromacy



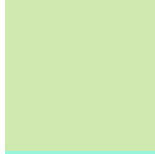
Original Color

78.0309, 0.2917, 0.4582



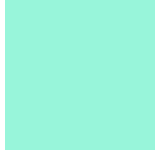
Protanomaly

75.2003, 0.3447, 0.4332



Deuteranomaly

74.6778, 0.3308, 0.3939



Tritanomaly

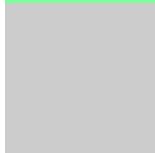
77.0422, 0.2730, 0.3610

Monochromacy



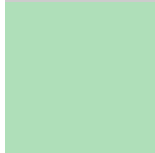
Original Color

78.0309, 0.2917, 0.4582



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3921, 0.3037, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0309, 0.2917, 0.4582 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(123, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 78.0309, 0.2917, 0.4582 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(123, 255, 153) }
```

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

```
.border{ border-color:rgb(123, 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(123, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0309, 0.2917, 0.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 153) }
```

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

```
.background{ background-color: rgb(123,  
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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