

Converting Colors

Yxy(78.9552, 0.2938, 0.4497)

Have a look what the booklet for
Yxy(78.9552, 0.2938, 0.4497)
contains.

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Color

Yxy(78.9752, 0.2941, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	85FF9E
RGB	133, 255, 158
RGB Percent	52%, 100%, 62%
CMY	0.4785, 0.0000, 0.3803
CMYK	0.48, 0.00, 0.38, 0.00
HSL	132°, 100%, 76%
HSV	132°, 48%, 100%
XYZ	51.6032, 78.9752, 44.8830
YIQ	207.4640, -41.5750, -56.0310

Conversions

Conversions Part 2

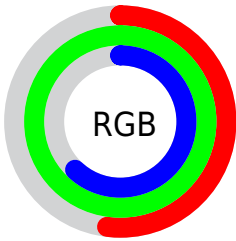
Format	Color
RYB	133, 234, 255
Decimal	8781726
CIELab	91.22, -54.27, 36.02
CIELCh	91, 65.139, 146.427
Yxy	78.9752, 0.2941, 0.4501
Android (android.graphics.Color)	4286971806 (0xFF85FF9E)
YUV	207.4640, -24.3858, -65.3049
Hunter-Lab	88.8680, -51.8689, 32.2630

Details

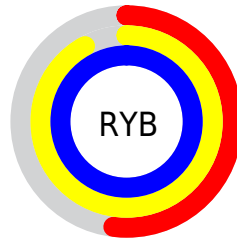
The Yxy color **78.9752, 0.2941, 0.4501** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.7389, 0.3407, 0.2332**, and the grayscale version is **62.8890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5306, 0.2980, 0.3753**, and **42.3301, 0.2871, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **76.5035, 0.2917, 0.4805**, and if you desaturate by 10%, it is **82.0636, 0.2973, 0.4205**.

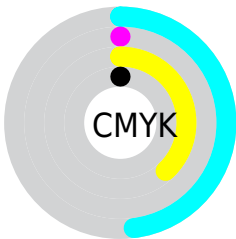
Distribution



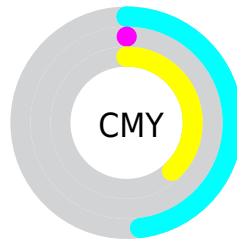
- Red (52%)
- Green (100%)
- Blue (62%)



- Red (52%)
- Yellow (92%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9752, 0.2941, 0.4501 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 78.9752, 0.2941, 0.4501 by changing the saturation by 10% instead.


 78.9752, 0.2941,
0.4501

 78.9752, 0.2941,
0.4501


491.4724, 0.3049,
0.3909

 58.8754, 0.2911,
0.4643


 131.9239, 0.2983,
0.4290

 42.5128, 0.2870,
0.4821

 165.5417, 0.2998,
0.4210

 29.5031, 0.2815,
0.5051


 204.4342, 0.3010,
0.4141

 19.4617, 0.2733,
0.5357

248.9860, 0.3020,
0.4082

 12.0044, 0.2607,
0.5782

299.5812, 0.3029,
0.4030

 6.7467, 0.2398,
0.6395

356.6045, 0.3036,

 3.3042, 0.2139,

0.3985

0.7767

420.4401, 0.3043,
0.3945

1.2925, 0.0000,
1.0000

0.1354, 0.0000,
1.0000

78.9752, 0.2941,
0.4501

78.9752, 0.2941,
0.4501

76.5035, 0.2917,
0.4805

82.0636, 0.2973,
0.4205

74.6089, 0.2905,
0.5102

85.8104, 0.3011,
0.3928

73.2420, 0.2906,
0.5376

90.2500, 0.3052,
0.3675

72.3463, 0.2920,
0.5608

95.4153, 0.3094,
0.3449

■ 71.8478, 0.2944,
0.5786

100.0000, 0.3127,
0.3290

■ 71.7711, 0.2949,
0.5817

Harmonies

Analogous

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



78.9752, 0.3671, 0.4691



78.9752, 0.2941, 0.4501



78.9752, 0.2300, 0.3814

Triad

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



78.9752, 0.2941, 0.4501



78.9752, 0.2006, 0.2167



78.9752, 0.4510, 0.3322

Complementary

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



78.9752, 0.2941, 0.4501



43.7389, 0.3407, 0.2332

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.



78.9752, 0.3948, 0.2799



78.9752, 0.2941, 0.4501



78.9752, 0.2469, 0.2165

Square

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



78.9752, 0.2941, 0.4501



78.9752, 0.1816, 0.2438



78.9752, 0.3170, 0.2390



78.9752, 0.4624, 0.3885

Rectangle

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



78.9752, 0.2941, 0.4501



78.9752, 0.2007, 0.3265



78.9752, 0.3170, 0.2390



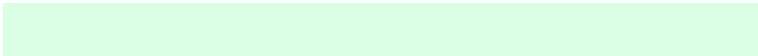
78.9752, 0.4365, 0.3140

Sweetspot

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



78.9742, 0.2941, 0.4501



92.1522, 0.3068, 0.3585



90.1345, 0.3665, 0.4536



19.4935, 0.3059, 0.3635



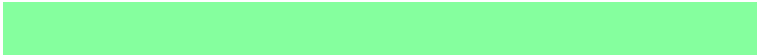
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.9742, 0.2941, 0.4501



76.6910, 0.2919, 0.4779



81.5872, 0.2655, 0.3725



20.2292, 0.3087, 0.3484



37.5190, 0.2943, 0.5794



3.6679, 0.2888, 0.5598

Inverse Universe

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



43.7389, 0.3407, 0.2332



37.7814, 0.3478, 0.2176



40.9151, 0.4046, 0.2912



18.2327, 0.3170, 0.3103



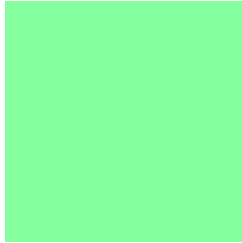
13.3754, 0.3810, 0.1872



1.3177, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 78.9752, 0.2941, 0.4501 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 78.9752, 0.2941, 0.4501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

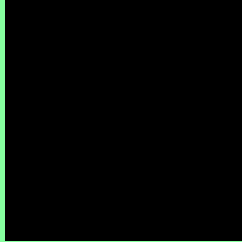
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9752, 0.2941, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 78.9752, 0.2941, 0.4501.

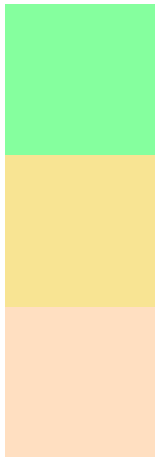


This preview shows how white text looks on a background with the Yxy color 78.9752, 0.2941, 0.4501.

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

78.9752, 0.2941, 0.4501

Protanopia

77.5498, 0.3814, 0.4124

Deuteranopia

77.8856, 0.3567, 0.3597



Tritanopia

78.1831, 0.2660, 0.3113

Trichromacy



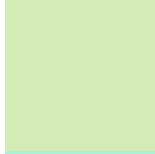
Original Color

78.9752, 0.2941, 0.4501



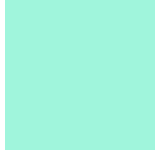
Protanomaly

76.5052, 0.3444, 0.4276



Deuteranomaly

76.5608, 0.3308, 0.3908



Tritanomaly

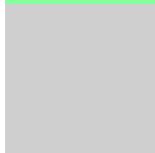
77.9457, 0.2760, 0.3582

Monochromacy



Original Color

78.9752, 0.2941, 0.4501



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.6887, 0.3046, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9752, 0.2941, 0.4501 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(133, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 158)  
}
```

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(133, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 78.9752, 0.2941, 0.4501 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(133, 255, 158) }
```

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

```
.border{ border-color:rgb(133, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9752, 0.2941, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 158) }
```

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

```
.background{ background-color: rgb(133,  
255, 158) }
```

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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