

Converting Colors

$Y_{xy}(76.1552, 0.2899, 0.4531)$

Have a look what the booklet for
Yxy(76.1552, 0.2899, 0.4531)
contains.

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Color

Yxy(76.1249, 0.2902, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	7AFC9B
RGB	122, 252, 155
RGB Percent	48%, 99%, 61%
CMY	0.5214, 0.0118, 0.3922
CMYK	0.52, 0.00, 0.38, 0.01
HSL	135°, 96%, 73%
HSV	135°, 52%, 99%
XYZ	48.7562, 76.1249, 43.1279
YIQ	202.0720, -46.3430, -57.7270

Conversions

Conversions Part 2

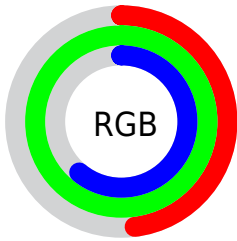
Format	Color
RYB	122, 226, 252
Decimal	8060059
CIELab	89.92, -56.29, 35.74
CIElCh	90, 66.674, 147.589
Yxy	76.1249, 0.2902, 0.4531
Android (android.graphics.Color)	4286250139 (0xFF7AFC9B)
YUV	202.0720, -23.2065, -70.2231
Hunter-Lab	87.2496, -52.9386, 31.7674

Details

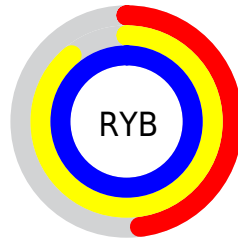
The Yxy color **76.1249, 0.2902, 0.4531** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.7426, 0.3499, 0.2321**, and the grayscale version is **59.2866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1182, 0.2939, 0.3796**, and **40.4624, 0.2818, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **73.9365, 0.2880, 0.4819**, and if you desaturate by 10%, it is **78.8949, 0.2935, 0.4249**.

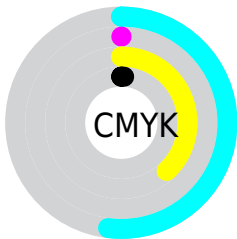
Distribution



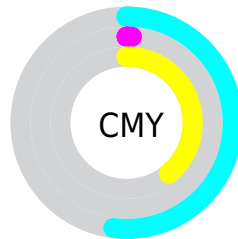
- Red (48%)
- Green (99%)
- Blue (61%)



- Red (48%)
- Yellow (89%)
- Blue (99%)



- Cyan (52%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)




- Cyan (52%)
- Magenta (1%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1249, 0.2902, 0.4531 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 76.1249, 0.2902, 0.4531 by changing the saturation by 10% instead.


 76.1249, 0.2902,
0.4531


 76.1249, 0.2902,
0.4531


481.7751, 0.3029,
0.3920

 56.5349, 0.2867,
0.4679

 127.9034, 0.2951,
0.4312

 40.6320, 0.2820,
0.4866

 160.8608, 0.2969,
0.4229

 28.0316, 0.2756,
0.5108


 199.0428, 0.2983,
0.4158

 18.3495, 0.2662,
0.5432

242.8337, 0.2995,
0.4097

 11.2012, 0.2518,
0.5885

292.6180, 0.3006,
0.4044

 6.2023, 0.2279,
0.6544


348.7801, 0.3015,


 2.9685, 0.1956,


0.3997


0.8044

411.7043, 0.3022,
0.3956


 1.1153, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.1249, 0.2902,
0.4531


 76.1249, 0.2902,
0.4531


 73.9365, 0.2880,
0.4819

 78.8949, 0.2935,
0.4249


 72.2781, 0.2871,
0.5100


 82.2750, 0.2976,
0.3982


 71.1047, 0.2878,
0.5358


 86.3029, 0.3022,
0.3736

 70.3586, 0.2899,
0.5579

 91.0106, 0.3071,
0.3515

 69.9900, 0.2925,
0.5728

 96.4280, 0.3120,
0.3319

 98.1011, 0.3128,
0.3262

Harmonies

Analogous

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



76.1249, 0.3656, 0.4745



76.1249, 0.2902, 0.4531



76.1249, 0.2250, 0.3800

Triad

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



76.1249, 0.2902, 0.4531



76.1249, 0.1985, 0.2127



76.1249, 0.4574, 0.3340

Complementary

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



76.1249, 0.2902, 0.4531



39.7426, 0.3499, 0.2321

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.



76.1249, 0.4006, 0.2801



76.1249, 0.2902, 0.4531



76.1249, 0.2471, 0.2136

Square

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



76.1249, 0.2902, 0.4531



76.1249, 0.1780, 0.2391



76.1249, 0.3201, 0.2376



76.1249, 0.4669, 0.3918

Rectangle

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



76.1249, 0.2902, 0.4531



76.1249, 0.1958, 0.3229



76.1249, 0.3201, 0.2376



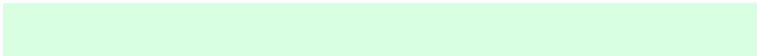
76.1249, 0.4430, 0.3153

Sweetspot

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



76.1280, 0.2902, 0.4531



91.7490, 0.3054, 0.3588



86.1668, 0.3652, 0.4649



19.4181, 0.3044, 0.3634



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.



76.1280, 0.2902, 0.4531



75.8615, 0.2879, 0.4833



78.9033, 0.2599, 0.3683



19.3814, 0.3081, 0.3472



36.4783, 0.2917, 0.5702



3.3949, 0.2855, 0.5478

Inverse Universe

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



39.7426, 0.3499, 0.2321



34.6931, 0.3602, 0.2164



36.9761, 0.4235, 0.2955



17.4450, 0.3177, 0.3115



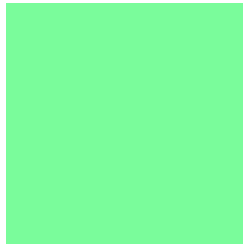
12.6995, 0.3977, 0.1964



1.1932, 0.3864, 0.1903

Previews

White Background



This preview shows how the Yxy color 76.1249, 0.2902, 0.4531 looks on a white background.

Color Contrast Check

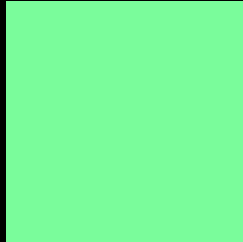
Large Text (above 18pt) WCAG AA × Fail

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 76.1249, 0.2902, 0.4531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

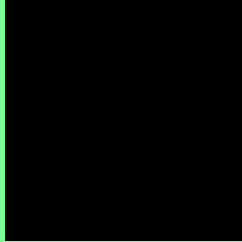
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1249, 0.2902, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 76.1249, 0.2902, 0.4531.

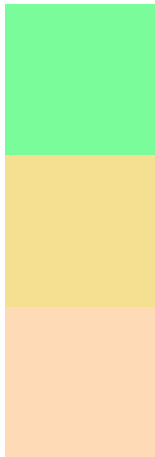


This preview shows how white text looks on a background with the Yxy color 76.1249, 0.2902, 0.4531.

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

76.1249, 0.2902, 0.4531

Protanopia

74.5580, 0.3818, 0.4126

Deuteranopia

74.8217, 0.3652, 0.3650



Tritanopia

75.7400, 0.2573, 0.3097

Trichromacy



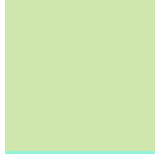
Original Color

76.1249, 0.2902, 0.4531



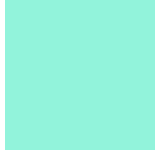
Protanomaly

73.2631, 0.3428, 0.4286



Deuteranomaly

72.8762, 0.3332, 0.3943



Tritanomaly

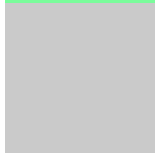
75.3266, 0.2692, 0.3577

Monochromacy



Original Color

76.1249, 0.2902, 0.4531



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.5734, 0.3024, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1249, 0.2902, 0.4531 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(122, 252, 155)` looks like.

```
.text, #text, p{  
    color:rgb(122, 252, 155)  
}
```

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(122, 252, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 252, 155) }
```

Border

The CSS property to change the border of an element to Yxy 76.1249, 0.2902, 0.4531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

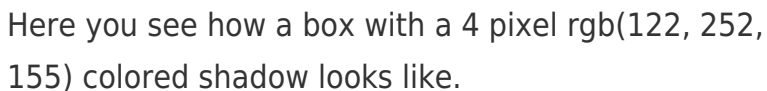
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 252, 155) }
```

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

```
.border{ border-color:rgb(122, 252, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(122, 252, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 252, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 252, 155); box-shadow:4px 4px 4px 4px rgb(122, 252, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1249, 0.2902, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 252, 155) }
```

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

```
.background{ background-color: rgb(122,  
252, 155) }
```

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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