

Converting Colors

$Y_{xy}(76.1162, 0.2972, 0.4972)$

Have a look what the booklet for
Yxy(76.1162, 0.2972, 0.4972)
contains.

Yxy(76.1010, 0.2973, 0.4976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.1010, 0.2973, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	6BFF7C
RGB	107, 255, 124
RGB Percent	42%, 100%, 49%
CMY	0.5801, 0.0000, 0.5136
CMYK	0.58, 0.00, 0.51, 0.00
HSL	127°, 100%, 71%
HSV	127°, 58%, 100%
XYZ	45.4679, 76.1010, 31.3672
YIQ	195.8140, -46.1570, -72.1170

Conversions

Conversions Part 2

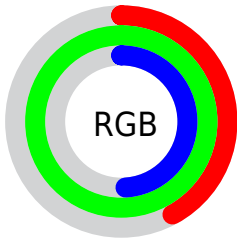
Format	Color
RYB	107, 240, 255
Decimal	7077756
CIELab	89.91, -65.45, 50.51
CIELCh	90, 82.671, 142.342
Yxy	76.1010, 0.2973, 0.4976
Android (android.graphics.Color)	4285267836 (0xFF6BFF7C)
YUV	195.8140, -35.4043, -77.8899
Hunter-Lab	87.2359, -59.6275, 39.7464

Details

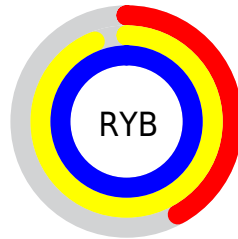
The Yxy color **76.1010, 0.2973, 0.4976** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.9635, 0.3350, 0.2053**, and the grayscale version is **55.3337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2097, 0.3028, 0.4181**, and **40.6070, 0.2878, 0.5429** is the 20% darker color. If you saturate the color by 10%, you get **74.2413, 0.2961, 0.5289**, and if you desaturate by 10%, it is **78.5637, 0.2992, 0.4646**.

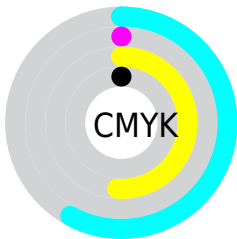
Distribution



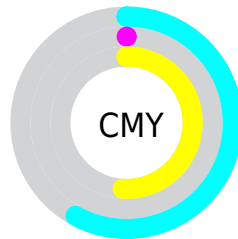
- Red (42%)
- Green (100%)
- Blue (49%)



- Red (42%)
- Yellow (94%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1010, 0.2973, 0.4976 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 76.1010, 0.2973, 0.4976 by changing the saturation by 10% instead.


 76.1010, 0.2973,
0.4976


 76.1010, 0.2973,
0.4976


481.6934, 0.3088,
0.4139


 56.5153, 0.2934,
0.5177

 127.8697, 0.3023,
0.4677

 40.6162, 0.2879,
0.5429


 160.8215, 0.3039,
0.4563

 28.0193, 0.2798,
0.5751


 198.9974, 0.3052,
0.4465

 18.3402, 0.2675,
0.6173

242.7819, 0.3063,
0.4382

 11.1945, 0.2474,
0.6735

292.5594, 0.3071,
0.4309

 6.1978, 0.2197,
0.7711


348.7142, 0.3078,


 2.9658, 0.1435,


0.4246


0.8565


411.6307, 0.3084,
0.4189


 1.1139, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.1010, 0.2973,
0.4976


 76.1010, 0.2973,
0.4976


 74.2413, 0.2961,
0.5289


 78.5637, 0.2992,
0.4646

 72.9238, 0.2959,
0.5561


 81.6653, 0.3017,
0.4319


 72.0916, 0.2966,
0.5774

 85.4498, 0.3045,
0.4009

 71.6652, 0.2979,
0.5913

 89.9549, 0.3075,
0.3725

 71.6085, 0.2981,
0.5933

 95.2152, 0.3104,
0.3471

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



76.1010, 0.3873, 0.5047



76.1010, 0.2973, 0.4976



76.1010, 0.2162, 0.4118

Triad

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



76.1010, 0.2973, 0.4976



76.1010, 0.1701, 0.1925



76.1010, 0.4832, 0.3194

Complementary

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



76.1010, 0.2973, 0.4976



37.9635, 0.3350, 0.2053

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.



76.1010, 0.4043, 0.2592



76.1010, 0.2973, 0.4976



76.1010, 0.2202, 0.1898

Square

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



76.1010, 0.2973, 0.4976



76.1010, 0.1520, 0.2274



76.1010, 0.3032, 0.2134



76.1010, 0.5028, 0.3861

Rectangle

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



76.1010, 0.2973, 0.4976



76.1010, 0.1787, 0.3371



76.1010, 0.3032, 0.2134



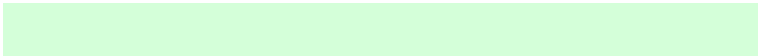
76.1010, 0.4623, 0.2984

Sweetspot

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



76.1042, 0.2973, 0.4976



90.4551, 0.3078, 0.3698



91.1426, 0.3853, 0.4718



19.1513, 0.3072, 0.3752



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

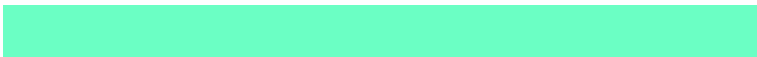
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1042, 0.2973, 0.4976



73.9394, 0.2960, 0.5347



78.6259, 0.2656, 0.4033



20.2020, 0.3100, 0.3507



37.4284, 0.2977, 0.5918



3.6547, 0.2937, 0.5772

Inverse Universe

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



37.9635, 0.3350, 0.2053



32.4695, 0.3405, 0.1880



34.5500, 0.4172, 0.2699



18.2624, 0.3156, 0.3082



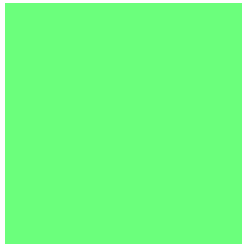
13.9857, 0.3522, 0.1714



1.3715, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 76.1010, 0.2973, 0.4976 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 76.1010, 0.2973, 0.4976 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

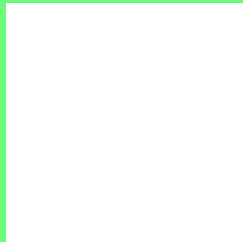
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1010, 0.2973, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 76.1010, 0.2973, 0.4976.

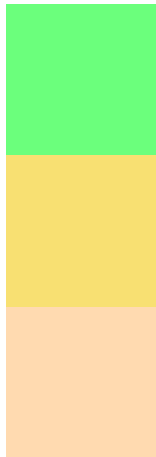


This preview shows how white text looks on a background with the Yxy color 76.1010, 0.2973, 0.4976.

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

76.1010, 0.2973, 0.4976

Protanopia

74.4827, 0.4034, 0.4392

Deuteranopia

74.5374, 0.3703, 0.3722



Tritanopia

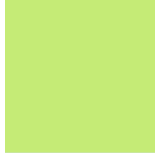
75.4370, 0.2558, 0.3096

Trichromacy



Original Color

76.1010, 0.2973, 0.4976



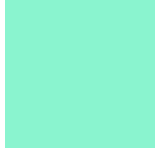
Protanomaly

72.5950, 0.3572, 0.4630



Deuteranomaly

72.0037, 0.3387, 0.4151



Tritanomaly

74.6096, 0.2714, 0.3744

Monochromacy



Original Color

76.1010, 0.2973, 0.4976



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4205, 0.3057, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1010, 0.2973, 0.4976 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(107, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 124)  
}
```

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(107, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 124) }
```

Border

The CSS property to change the border of an element to Yxy 76.1010, 0.2973, 0.4976 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(107, 255, 124) }
```

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

```
.border{ border-color:rgb(107, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1010, 0.2973, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 124) }
```

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

```
.background{ background-color: rgb(107,  
255, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor