

Converting Colors

Yxy(78.6608, 0.3038, 0.4914)

Have a look what the booklet for
Yxy(78.6608, 0.3038, 0.4914)
contains.

Yxy(77.3374, 0.3037, 0.4903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3374, 0.3037, 0.4903)

Conversions

Conversions Part 1

Format	Color
Hex	7CFF7F
RGB	124, 255, 127
RGB Percent	49%, 100%, 50%
CMY	0.5137, 0.0000, 0.5018
CMYK	0.51, 0.00, 0.50, 0.00
HSL	121°, 100%, 74%
HSV	121°, 51%, 100%
XYZ	47.9041, 77.3374, 32.4934
YIQ	201.2390, -36.9880, -67.5800

Conversions

Conversions Part 2

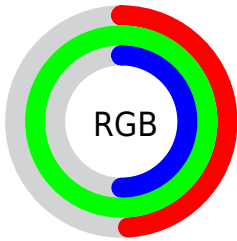
Format	Color
RYB	124, 252, 255
Decimal	8191871
CIELab	90.48, -61.04, 49.93
CIELCh	90, 78.862, 140.720
Yxy	77.3374, 0.3037, 0.4903
Android (android.graphics.Color)	4286381951 (0xFF7CFF7F)
YUV	201.2390, -36.5998, -67.7386
Hunter-Lab	87.9417, -56.6645, 39.6522

Details

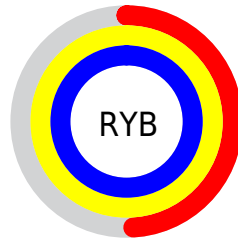
The Yxy color **77.3374, 0.3037, 0.4903** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **42.6994, 0.3212, 0.2078**, and the grayscale version is **58.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0877, 0.3100, 0.4123**, and **41.3567, 0.2964, 0.5329** is the 20% darker color. If you saturate the color by 10%, you get **75.1062, 0.3021, 0.5245**, and if you desaturate by 10%, it is **80.2214, 0.3055, 0.4546**.

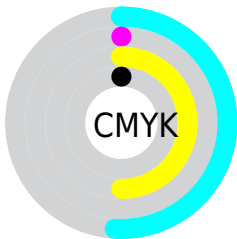
Distribution



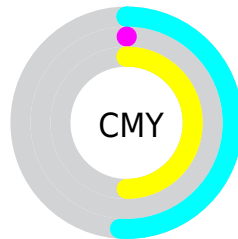
- Red (49%)
- Green (100%)
- Blue (50%)



- Red (49%)
- Yellow (99%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3374, 0.3037, 0.4903 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 77.3374, 0.3037, 0.4903 by changing the saturation by 10% instead.


 77.3374, 0.3037,
0.4903


 77.3374, 0.3037,
0.4903


485.9136, 0.3120,
0.4108

 57.5298, 0.3006,
0.5093

 129.6156, 0.3075,
0.4620

 41.4308, 0.2962,
0.5330

 162.8551, 0.3087,
0.4511

 28.6558, 0.2896,
0.5633


 201.3407, 0.3096,
0.4419

 18.8206, 0.2792,
0.6028

245.4567, 0.3103,
0.4340

 11.5407, 0.2620,
0.6554

295.5876, 0.3109,
0.4270

 6.4318, 0.2370,
0.7419

352.1178, 0.3113,

 3.1094, 0.1761,

0.4210

0.8239

415.4317, 0.3117,
0.4156

■ 1.1891, 0.0000,
1.0000

■ 0.0528, 0.0000,
1.0000

■ 77.3374, 0.3037,
0.4903

■ 77.3374, 0.3037,
0.4903

■ 75.1062, 0.3021,
0.5245

■ 80.2214, 0.3055,
0.4546

■ 73.4752, 0.3008,
0.5546


■ 83.8018, 0.3074,
0.4198


■ 72.3869, 0.3001,
0.5780

■ 88.1205, 0.3092,
0.3874

■ 71.7715, 0.2998,
0.5928

■ 93.2156, 0.3109,
0.3581

 71.5330, 0.2997,
0.5990

 99.1226, 0.3125,
0.3323

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.



77.3374, 0.3897, 0.4949



77.3374, 0.3037, 0.4903



77.3374, 0.2247, 0.4129

Triad

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



77.3374, 0.3037, 0.4903



77.3374, 0.1741, 0.1993



77.3374, 0.4718, 0.3174

Complementary

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



77.3374, 0.3037, 0.4903



42.6994, 0.3212, 0.2078

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.



77.3374, 0.3948, 0.2596



77.3374, 0.3037, 0.4903



77.3374, 0.2210, 0.1948

Square

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



77.3374, 0.3037, 0.4903



77.3374, 0.1583, 0.2353



77.3374, 0.2990, 0.2163



77.3374, 0.4946, 0.3818

Rectangle

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



77.3374, 0.3037, 0.4903



77.3374, 0.1871, 0.3428



77.3374, 0.2990, 0.2163



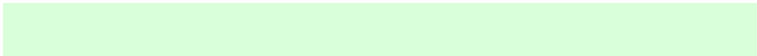
77.3374, 0.4509, 0.2971

Sweetspot

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



77.3380, 0.3037, 0.4903



91.2765, 0.3103, 0.3683



93.8233, 0.3864, 0.4541



19.3059, 0.3100, 0.3744



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.



77.3380, 0.3037, 0.4903



74.9871, 0.3020, 0.5266



79.5963, 0.2741, 0.4074



20.1750, 0.3112, 0.3530



37.3805, 0.2996, 0.5986



3.6419, 0.2987, 0.5952

Inverse Universe

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



42.6994, 0.3212, 0.2078



36.7766, 0.3228, 0.1885



39.2752, 0.3870, 0.2645



18.2927, 0.3142, 0.3061



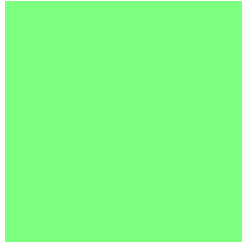
14.6884, 0.3268, 0.1574



1.4324, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 77.3374, 0.3037, 0.4903 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 77.3374, 0.3037, 0.4903 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 77.3374, 0.3037, 0.4903

Background



This preview shows how black text looks on a background with the Yxy color 77.3374, 0.3037, 0.4903.

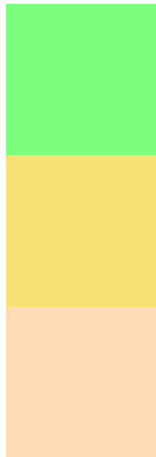


This preview shows how white text looks on a background with the Yxy color 77.3374, 0.3037, 0.4903.

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

77.3374, 0.3037, 0.4903

Protanopia

75.8168, 0.4014, 0.4380

Deuteranopia

75.7826, 0.3661, 0.3691



Tritanopia

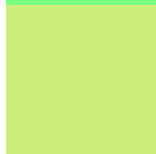
76.5846, 0.2612, 0.3099

Trichromacy



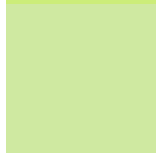
Original Color

77.3374, 0.3037, 0.4903



Protanomaly

74.7862, 0.3601, 0.4592



Deuteranomaly

74.1164, 0.3402, 0.4113



Tritanomaly

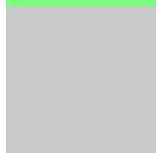
75.8347, 0.2774, 0.3723

Monochromacy



Original Color

77.3374, 0.3037, 0.4903



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6531, 0.3093, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3374, 0.3037, 0.4903 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(124, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 127)  
}
```

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(124, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 77.3374, 0.3037, 0.4903 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(124, 255, 127) }
```

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

```
.border{ border-color:rgb(124, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3374, 0.3037, 0.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 127) }
```

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

```
.background{ background-color: rgb(124,  
255, 127) }
```

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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