

Converting Colors

$Yxy(77.1331, 0.3051, 0.4961)$

Have a look what the booklet for
Yxy(77.1331, 0.3051, 0.4961)
contains.

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Color

Yxy(77.1361, 0.3053, 0.4964)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF7A
RGB	123, 255, 122
RGB Percent	48%, 100%, 48%
CMY	0.5177, 0.0000, 0.5214
CMYK	0.52, 0.00, 0.52, 0.00
HSL	120°, 100%, 74%
HSV	120°, 52%, 100%
XYZ	47.4409, 77.1361, 30.8140
YIQ	200.3700, -35.9790, -69.3470

Conversions

Conversions Part 2

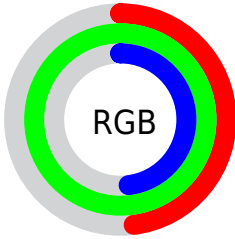
Format	Color
RYB	122, 255, 254
Decimal	8126330
CIELab	90.38, -61.93, 52.11
CIElCh	90, 80.940, 139.921
Yxy	77.1361, 0.3053, 0.4964
Android (android.graphics.Color)	4286316410 (0xFF7BFF7A)
YUV	200.3700, -38.6364, -67.8535
Hunter-Lab	87.8272, -57.2786, 40.6772

Details

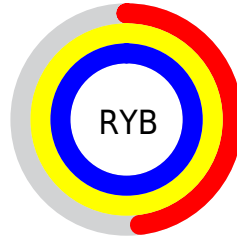
The Yxy color **77.1361, 0.3053, 0.4964** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **42.2334, 0.3178, 0.2036**, and the grayscale version is **58.2570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7616, 0.3121, 0.4184**, and **41.2320, 0.2977, 0.5400** is the 20% darker color. If you saturate the color by 10%, you get **74.9522, 0.3037, 0.5306**, and if you desaturate by 10%, it is **79.9676, 0.3070, 0.4602**.

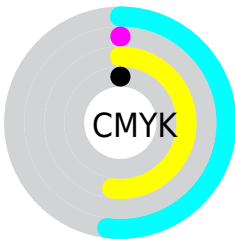
Distribution



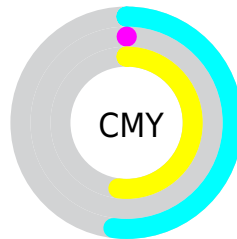
- Red (48%)
- Green (100%)
- Blue (48%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1361, 0.3053, 0.4964 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 77.1361, 0.3053, 0.4964 by changing the saturation by 10% instead.

 77.1361, 0.3053,
0.4964

 77.1361, 0.3053,
0.4964


485.2279, 0.3132,
0.4139


 57.3646, 0.3022,
0.5161

 129.3316, 0.3090,
0.4670

 41.2980, 0.2977,
0.5406


 162.5243, 0.3102,
0.4558

 28.5520, 0.2908,
0.5718


 200.9596, 0.3111,
0.4462

 18.7422, 0.2800,
0.6123

245.0219, 0.3117,
0.4379

 11.4841, 0.2618,
0.6658

295.0954, 0.3122,
0.4307

 6.3935, 0.2376,
0.7601


351.5647, 0.3126,


 3.0858, 0.1702,


0.4244


0.8298


414.8140, 0.3129,
0.4188

 1.1767, 0.0000,
1.0000

 0.0425, 0.0000,
1.0000


 77.1361, 0.3053,
0.4964


 77.1361, 0.3053,
0.4964


 74.9522, 0.3037,
0.5306


 79.9676, 0.3070,
0.4602


 73.3662, 0.3022,
0.5600


 83.4940, 0.3086,
0.4246

 72.3184, 0.3011,
0.5820

 87.7565, 0.3100,
0.3912

 71.7378, 0.3004,
0.5951

 92.7934, 0.3114,
0.3610

 71.5316, 0.3001,
0.5999

 98.6406, 0.3125,
0.3343

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.



77.1361, 0.3931, 0.4982



77.1361, 0.3053, 0.4964



77.1361, 0.2241, 0.4181

Triad

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



77.1361, 0.3053, 0.4964



77.1361, 0.1703, 0.1969



77.1361, 0.4746, 0.3150

Complementary

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



77.1361, 0.3053, 0.4964



42.2334, 0.3178, 0.2036

Split Complementary

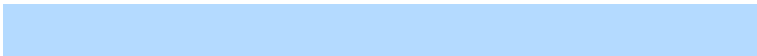
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1361, 0.3943, 0.2565



77.1361, 0.3053, 0.4964



77.1361, 0.2171, 0.1917

Square

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



77.1361, 0.3053, 0.4964



77.1361, 0.1551, 0.2343



77.1361, 0.2960, 0.2130



77.1361, 0.4993, 0.3804

Rectangle

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



77.1361, 0.3053, 0.4964



77.1361, 0.1853, 0.3457



77.1361, 0.2960, 0.2130



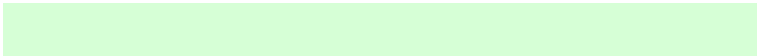
77.1361, 0.4527, 0.2944

Sweetspot

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



77.1356, 0.3053, 0.4964



90.7547, 0.3109, 0.3722



92.7806, 0.3899, 0.4532



19.2030, 0.3106, 0.3784



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.



77.1356, 0.3053, 0.4964



74.7930, 0.3036, 0.5334



79.2191, 0.2758, 0.4147



20.1742, 0.3117, 0.3536



37.3794, 0.3001, 0.5999



3.6415, 0.3005, 0.5996

Inverse Universe

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



42.2334, 0.3178, 0.2036



36.3345, 0.3185, 0.1839



38.9401, 0.3835, 0.2594



18.2935, 0.3137, 0.3056



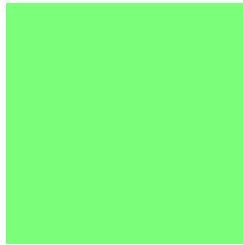
14.7078, 0.3192, 0.1532



1.4341, 0.3194, 0.1533

Previews

White Background



This preview shows how the Yxy color 77.1361, 0.3053, 0.4964 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 77.1361, 0.3053, 0.4964 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 77.1361, 0.3053, 0.4964

Background



This preview shows how black text looks on a background with the Yxy color 77.1361, 0.3053, 0.4964.

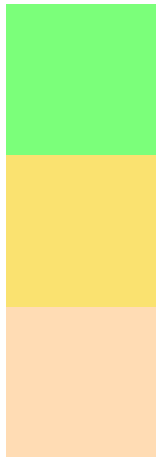


This preview shows how white text looks on a background with the Yxy color 77.1361, 0.3053, 0.4964.

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

77.1361, 0.3053, 0.4964

Protanopia

75.8866, 0.4049, 0.4419

Deuteranopia

75.7417, 0.3668, 0.3701



Tritanopia

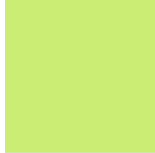
76.4761, 0.2607, 0.3099

Trichromacy



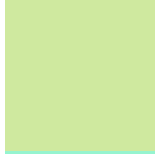
Original Color

77.1361, 0.3053, 0.4964



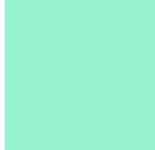
Protanomaly

74.6667, 0.3627, 0.4642



Deuteranomaly

74.0464, 0.3414, 0.4136



Tritanomaly

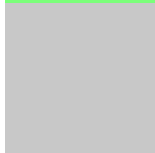
75.6904, 0.2774, 0.3737

Monochromacy



Original Color

77.1361, 0.3053, 0.4964



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.9356, 0.3099, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1361, 0.3053, 0.4964 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 77.1361, 0.3053, 0.4964 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, 122) }
```

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

```
.border{ border-color:rgb(123, 255, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1361, 0.3053, 0.4964 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, 122) }
```

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

```
.background{ background-color: rgb(123,  
255, 122) }
```

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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