

Converting Colors

Yxy(79.8243, 0.2958, 0.4810)

Have a look what the booklet for
Yxy(79.8243, 0.2958, 0.4810)
contains.

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Color

Yxy(77.1369, 0.2957, 0.4784)

Conversions

Conversions Part 1

Format	Color
Hex	75FF8A
RGB	117, 255, 138
RGB Percent	46%, 100%, 54%
CMY	0.5414, 0.0000, 0.4588
CMYK	0.54, 0.00, 0.46, 0.00
HSL	129°, 100%, 73%
HSV	129°, 54%, 100%
XYZ	47.6785, 77.1369, 36.4240
YIQ	200.4000, -44.6910, -65.6430

Conversions

Conversions Part 2

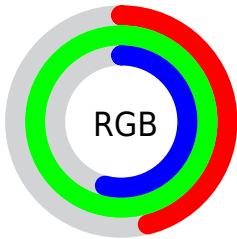
Format	Color
RYB	117, 237, 255
Decimal	7733130
CIELab	90.38, -61.27, 44.58
CIELCh	90, 75.777, 143.959
Yxy	77.1369, 0.2957, 0.4784
Android (android.graphics.Color)	4285923210 (0xFF75FF8A)
YUV	200.4000, -30.7632, -73.1418
Hunter-Lab	87.8276, -56.7971, 36.8905

Details

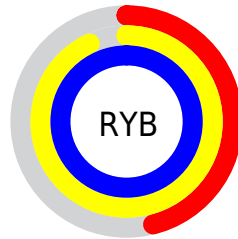
The Yxy color **77.1369, 0.2957, 0.4784** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.9065, 0.3383, 0.2162**, and the grayscale version is **58.2221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8352, 0.3006, 0.4001**, and **41.2328, 0.2870, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **75.0372, 0.2942, 0.5098**, and if you desaturate by 10%, it is **79.8351, 0.2981, 0.4464**.

Distribution



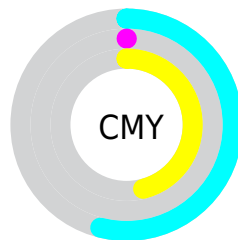
- Red (46%)
- Green (100%)
- Blue (54%)



- Red (46%)
- Yellow (93%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1369, 0.2957, 0.4784 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 77.1369, 0.2957, 0.4784 by changing the saturation by 10% instead.


 77.1369, 0.2957,
0.4784

 77.1369, 0.2957,
0.4784


485.2307, 0.3070,
0.4046


 57.3652, 0.2922,
0.4962

 129.3327, 0.3003,
0.4520

 41.2986, 0.2874,
0.5185


 162.5257, 0.3019,
0.4420

 28.5524, 0.2804,
0.5472


 200.9611, 0.3032,
0.4334

 18.7425, 0.2699,
0.5851

245.0236, 0.3042,
0.4260

 11.4844, 0.2532,
0.6368

295.0974, 0.3051,
0.4196

 6.3936, 0.2261,
0.7131

351.5669, 0.3058,

 3.0859, 0.1738,

0.4140

0.8262

414.8165, 0.3064,
0.4090

■ 1.1767, 0.0000,
1.0000

■ 0.0426, 0.0000,
1.0000

■ 77.1369, 0.2957,
0.4784

■ 77.1369, 0.2957,
0.4784

■ 75.0372, 0.2942,
0.5098

■ 79.8351, 0.2981,
0.4464

■ 73.4988, 0.2937,
0.5388


■ 83.1844, 0.3011,
0.4156

■ 72.4636, 0.2943,
0.5633

■ 87.2202, 0.3044,
0.3868

■ 71.8652, 0.2959,
0.5816

■ 91.9777, 0.3078,
0.3608

 71.6659, 0.2970,
0.5892

 97.4901, 0.3113,
0.3377

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.



77.1369, 0.3793, 0.4916



77.1369, 0.2957, 0.4784



77.1369, 0.2212, 0.3988

Triad

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



77.1369, 0.2957, 0.4784



77.1369, 0.1818, 0.2016



77.1369, 0.4710, 0.3250

Complementary

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



77.1369, 0.2957, 0.4784



39.9065, 0.3383, 0.2162

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.



77.1369, 0.4014, 0.2676



77.1369, 0.2957, 0.4784



77.1369, 0.2309, 0.2000

Square

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



77.1369, 0.2957, 0.4784



77.1369, 0.1632, 0.2334



77.1369, 0.3093, 0.2234



77.1369, 0.4872, 0.3880

Rectangle

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



77.1369, 0.2957, 0.4784



77.1369, 0.1869, 0.3322



77.1369, 0.3093, 0.2234



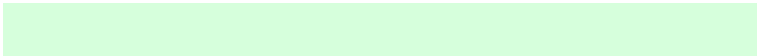
77.1369, 0.4528, 0.3049

Sweetspot

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



77.1334, 0.2957, 0.4784



91.0362, 0.3072, 0.3655



90.3449, 0.3768, 0.4663



19.2690, 0.3065, 0.3707



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.



77.1334, 0.2957, 0.4784



74.8835, 0.2941, 0.5125



79.7875, 0.2643, 0.3883



20.2133, 0.3095, 0.3498



37.4604, 0.2965, 0.5874



3.6600, 0.2917, 0.5701

Inverse Universe

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



39.9065, 0.3383, 0.2162



34.1432, 0.3448, 0.1993



36.6961, 0.4152, 0.2800



18.2499, 0.3161, 0.3091



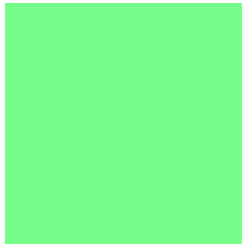
13.7198, 0.3638, 0.1778



1.3482, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 77.1369, 0.2957, 0.4784 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 77.1369, 0.2957, 0.4784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

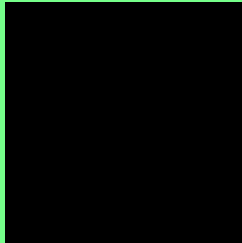
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1369, 0.2957, 0.4784

Background



This preview shows how black text looks on a background with the Yxy color 77.1369, 0.2957, 0.4784.



This preview shows how white text looks on a background with the Yxy color 77.1369, 0.2957, 0.4784.

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

77.1369, 0.2957, 0.4784

Protanopia

75.8815, 0.3947, 0.4295

Deuteranopia

75.8238, 0.3654, 0.3680



Tritanopia

76.7395, 0.2594, 0.3109

Trichromacy



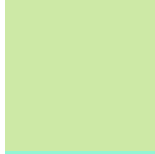
Original Color

77.1369, 0.2957, 0.4784



Protanomaly

74.4864, 0.3517, 0.4502



Deuteranomaly

74.0101, 0.3356, 0.4059



Tritanomaly

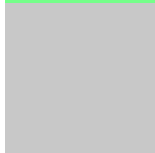
76.1693, 0.2730, 0.3687

Monochromacy



Original Color

77.1369, 0.2957, 0.4784



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.9068, 0.3053, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1369, 0.2957, 0.4784 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(117, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 138)  
}
```

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(117, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 77.1369, 0.2957, 0.4784 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(117, 255, 138) }
```

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

```
.border{ border-color:rgb(117, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1369, 0.2957, 0.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 138) }
```

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

```
.background{ background-color: rgb(117,  
255, 138) }
```

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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