

Converting Colors

$Yxy(77.0453, 0.2958, 0.4799)$

Have a look what the booklet for
Yxy(77.0453, 0.2958, 0.4799)
contains.

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Color

Yxy(77.0391, 0.2957, 0.4798)

Conversions

Conversions Part 1

Format	Color
Hex	74FF89
RGB	116, 255, 137
RGB Percent	45%, 100%, 54%
CMY	0.5451, 0.0000, 0.4626
CMYK	0.55, 0.00, 0.46, 0.00
HSL	129°, 100%, 73%
HSV	129°, 55%, 100%
XYZ	47.4791, 77.0391, 36.0468
YIQ	199.9870, -44.9660, -66.1660

Conversions

Conversions Part 2

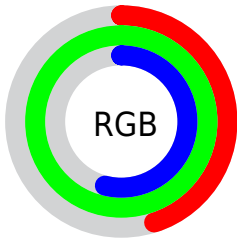
Format	Color
RYB	116, 237, 255
Decimal	7667593
CIELab	90.34, -61.63, 44.99
CIELCh	90, 76.306, 143.874
Yxy	77.0391, 0.2957, 0.4798
Android (android.graphics.Color)	4285857673 (0xFF74FF89)
YUV	199.9870, -31.0526, -73.6566
Hunter-Lab	87.7719, -57.0436, 37.0907

Details

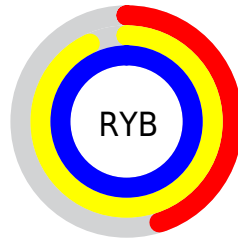
The Yxy color **77.0391, 0.2957, 0.4798** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.6879, 0.3384, 0.2155**, and the grayscale version is **57.9672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6729, 0.3006, 0.4014**, and **41.1769, 0.2876, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **74.9655, 0.2942, 0.5112**, and if you desaturate by 10%, it is **79.7182, 0.2980, 0.4478**.

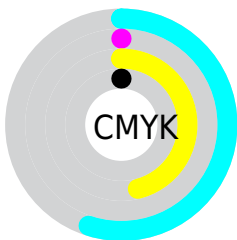
Distribution



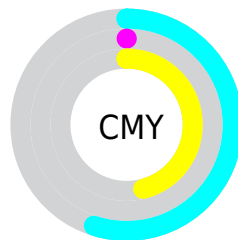
- Red (45%)
- Green (100%)
- Blue (54%)



- Red (45%)
- Yellow (93%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0391, 0.2957, 0.4798 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 77.0391, 0.2957, 0.4798 by changing the saturation by 10% instead.


 77.0391, 0.2957,
0.4798


 77.0391, 0.2957,
0.4798


484.8973, 0.3070,
0.4053


 57.2850, 0.2922,
0.4977


 129.1947, 0.3004,
0.4531

 41.2341, 0.2873,
0.5203

 162.3649, 0.3020,
0.4430

 28.5020, 0.2802,
0.5493


 200.7760, 0.3033,
0.4344

 18.7044, 0.2696,
0.5876

244.8122, 0.3043,
0.4269

 11.4569, 0.2526,
0.6396

294.8581, 0.3052,
0.4204

 6.3750, 0.2253,
0.7171


351.2980, 0.3059,


 3.0744, 0.1713,


0.4148


0.8287


414.5163, 0.3065,
0.4098


 1.1707, 0.0000,
1.0000


 0.0376, 0.0000,
1.0000


 77.0391, 0.2957,
0.4798


 77.0391, 0.2957,
0.4798


 74.9655, 0.2942,
0.5112

 79.7182, 0.2980,
0.4478

 73.4474, 0.2937,
0.5401


 83.0432, 0.3010,
0.4168


 72.4305, 0.2944,
0.5643

 87.0534, 0.3043,
0.3880

 71.8477, 0.2960,
0.5823

 91.7847, 0.3077,
0.3618

 71.6638, 0.2970,
0.5894

 97.2700, 0.3112,
0.3385

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.



77.0391, 0.3798, 0.4927



77.0391, 0.2957, 0.4798



77.0391, 0.2207, 0.3996

Triad

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



77.0391, 0.2957, 0.4798



77.0391, 0.1809, 0.2009



77.0391, 0.4721, 0.3247

Complementary

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



77.0391, 0.2957, 0.4798



39.6879, 0.3384, 0.2155

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.



77.0391, 0.4018, 0.2670



77.0391, 0.2957, 0.4798



77.0391, 0.2302, 0.1992

Square

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



77.0391, 0.2957, 0.4798



77.0391, 0.1623, 0.2329



77.0391, 0.3090, 0.2227



77.0391, 0.4884, 0.3880

Rectangle

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



77.0391, 0.2957, 0.4798



77.0391, 0.1862, 0.3324



77.0391, 0.3090, 0.2227



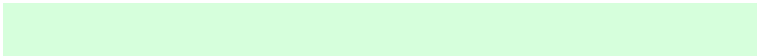
77.0391, 0.4536, 0.3045

Sweetspot

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



77.0399, 0.2957, 0.4798



91.0335, 0.3072, 0.3655



90.2986, 0.3771, 0.4671



19.2684, 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.



77.0399, 0.2957, 0.4798



74.8789, 0.2942, 0.5127



79.7059, 0.2641, 0.3888



20.2130, 0.3095, 0.3498



37.4592, 0.2965, 0.5875



3.6598, 0.2918, 0.5703

Inverse Universe

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



39.6879, 0.3384, 0.2155



34.1546, 0.3446, 0.1991



36.4535, 0.4163, 0.2798



18.2503, 0.3161, 0.3091



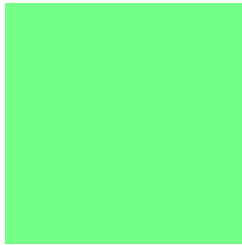
13.7282, 0.3634, 0.1776



1.3489, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 77.0391, 0.2957, 0.4798 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 77.0391, 0.2957, 0.4798 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

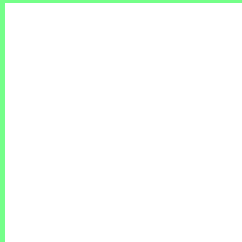
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0391, 0.2957, 0.4798

Background



This preview shows how black text looks on a background with the Yxy color 77.0391, 0.2957, 0.4798.

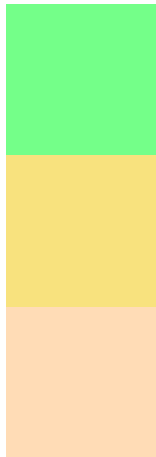


This preview shows how white text looks on a background with the Yxy color 77.0391, 0.2957, 0.4798.

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

77.0391, 0.2957, 0.4798

Protanopia

75.8555, 0.3953, 0.4304

Deuteranopia

75.8238, 0.3654, 0.3680



Tritanopia

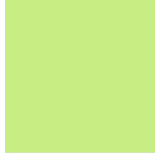
76.7395, 0.2594, 0.3109

Trichromacy



Original Color

77.0391, 0.2957, 0.4798



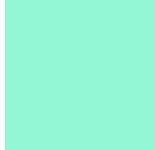
Protanomaly

74.4594, 0.3523, 0.4512



Deuteranomaly

73.8684, 0.3349, 0.4061



Tritanomaly

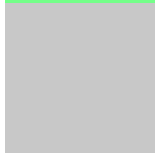
76.1693, 0.2730, 0.3687

Monochromacy



Original Color

77.0391, 0.2957, 0.4798



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7957, 0.3046, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0391, 0.2957, 0.4798 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(116, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 137)  
}
```

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(116, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 77.0391, 0.2957, 0.4798 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(116, 255, 137) }
```

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

```
.border{ border-color:rgb(116, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0391, 0.2957, 0.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 137) }
```

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

```
.background{ background-color: rgb(116,  
255, 137) }
```

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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