

Converting Colors

$Y_{xy}(77.1490, 0.2822, 0.4528)$

Have a look what the booklet for
Yxy(77.1490, 0.2822, 0.4528)
contains.

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Color

Yxy(77.1490, 0.2822, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	6BFF9F
RGB	107, 255, 159
RGB Percent	42%, 100%, 62%
CMY	0.5803, 0.0000, 0.3765
CMYK	0.58, 0.00, 0.38, 0.00
HSL	141°, 100%, 71%
HSV	141°, 58%, 100%
XYZ	48.0818, 77.1490, 45.1512
YIQ	199.8040, -57.3920, -61.2320

Conversions

Conversions Part 2

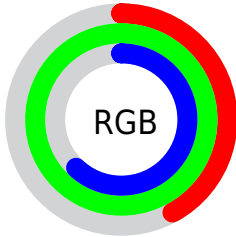
Format	Color
RYB	107, 217, 255
Decimal	7077791
CIELab	90.39, -60.18, 34.29
CIELCh	90, 69.263, 150.326
Yxy	77.1490, 0.2822, 0.4528
Android (android.graphics.Color)	4285267871 (0xFF6BFF9F)
YUV	199.8040, -20.1164, -81.3891
Hunter-Lab	87.8345, -55.9970, 31.0062

Details

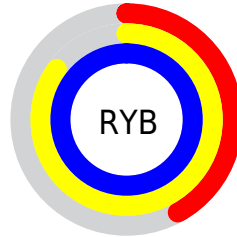
The Yxy color **77.1490, 0.2822, 0.4528** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0925, 0.3723, 0.2346**, and the grayscale version is **57.7867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8101, 0.2847, 0.3758**, and **41.2343, 0.2725, 0.4869** is the 20% darker color. If you saturate the color by 10%, you get **75.2587, 0.2804, 0.4783**, and if you desaturate by 10%, it is **79.5836, 0.2855, 0.4276**.

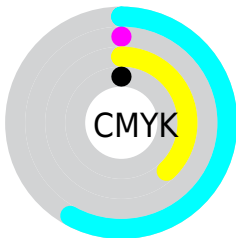
Distribution



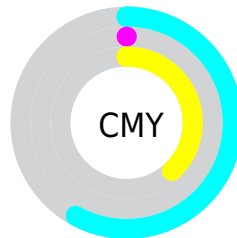
- Red (42%)
- Green (100%)
- Blue (62%)



- Red (42%)
- Yellow (85%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1490, 0.2822, 0.4528 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 77.1490, 0.2822, 0.4528 by changing the saturation by 10% instead.


 77.1490, 0.2822,
0.4528

 77.1490, 0.2822,
0.4528


485.2719, 0.2985,
0.3918


 57.3752, 0.2779,
0.4676

 129.3498, 0.2883,
0.4309

 41.3065, 0.2723,
0.4862


 162.5455, 0.2905,
0.4226

 28.5587, 0.2648,
0.5104


 200.9841, 0.2924,
0.4156

 18.7472, 0.2541,
0.5428

245.0497, 0.2940,
0.4095

 11.4878, 0.2381,
0.5882

295.1270, 0.2954,
0.4042

 6.3959, 0.2125,
0.6546


351.6001, 0.2966,


 3.0873, 0.1769,

0.3996


0.8073

414.8536, 0.2976,
0.3955

 1.1775, 0.0000,
1.0000

 0.0432, 0.0000,
1.0000


 77.1490, 0.2822,
0.4528


 77.1490, 0.2822,
0.4528

 75.2587, 0.2804,
0.4783


 79.5836, 0.2855,
0.4276


 73.8650, 0.2803,
0.5031

 82.6002, 0.2901,
0.4035


 72.9157, 0.2821,
0.5261

 86.2357, 0.2955,
0.3811

 72.3393, 0.2854,
0.5463

 90.5233, 0.3014,
0.3606

 72.2506, 0.2861,
0.5500

 95.4938, 0.3077,
0.3422

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.



77.1490, 0.3597, 0.4802



77.1490, 0.2822, 0.4528



77.1490, 0.2172, 0.3735

Triad

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



77.1490, 0.2822, 0.4528



77.1490, 0.1985, 0.2084



77.1490, 0.4653, 0.3390

Complementary

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



77.1490, 0.2822, 0.4528



36.0925, 0.3723, 0.2346

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.



77.1490, 0.4105, 0.2832



77.1490, 0.2822, 0.4528



77.1490, 0.2509, 0.2117

Square

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



77.1490, 0.2822, 0.4528



77.1490, 0.1749, 0.2324



77.1490, 0.3279, 0.2383



77.1490, 0.4701, 0.3984

Rectangle

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



77.1490, 0.2822, 0.4528



77.1490, 0.1892, 0.3148



77.1490, 0.3279, 0.2383



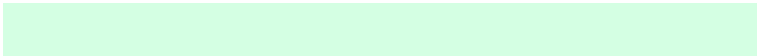
77.1490, 0.4521, 0.3197

Sweetspot

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



77.1497, 0.2822, 0.4528



91.0042, 0.3021, 0.3586



85.3074, 0.3596, 0.4862



19.2797, 0.3008, 0.3625



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.



77.1497, 0.2822, 0.4528



74.9466, 0.2802, 0.4833



80.5189, 0.2494, 0.3554



20.2735, 0.3067, 0.3448



37.7780, 0.2853, 0.5469



3.6981, 0.2789, 0.5242

Inverse Universe

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



36.0925, 0.3723, 0.2346



30.3177, 0.3904, 0.2216



33.3699, 0.4653, 0.3076



18.1857, 0.3192, 0.3137



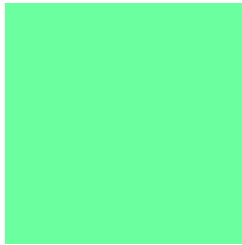
12.5662, 0.4347, 0.2168



1.2443, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 77.1490, 0.2822, 0.4528 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 77.1490, 0.2822, 0.4528 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

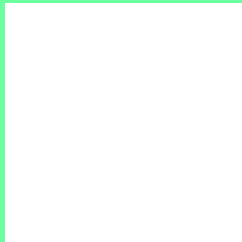
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1490, 0.2822, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 77.1490, 0.2822, 0.4528.



This preview shows how white text looks on a background with the Yxy color 77.1490, 0.2822, 0.4528.

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

77.1490, 0.2822, 0.4528

Protanopia

75.9118, 0.3799, 0.4112

Deuteranopia

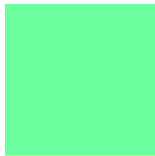
75.5109, 0.3620, 0.3619



Tritanopia

76.4266, 0.2579, 0.3109

Trichromacy



Original Color

77.1490, 0.2822, 0.4528



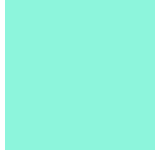
Protanomaly

74.4048, 0.3368, 0.4292



Deuteranomaly

73.3051, 0.3260, 0.3926



Tritanomaly

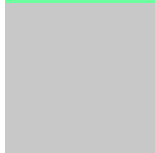
76.1348, 0.2666, 0.3589

Monochromacy



Original Color

77.1490, 0.2822, 0.4528



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7962, 0.2976, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1490, 0.2822, 0.4528 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 77.1490, 0.2822, 0.4528 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, 159) }
```

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

```
.border{ border-color:rgb(107, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1490, 0.2822, 0.4528 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, 159) }
```

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

```
.background{ background-color: rgb(107,  
255, 159) }
```

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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