

Converting Colors

$Yxy(77.4530, 0.2729, 0.4314)$

Have a look what the booklet for
Yxy(77.4530, 0.2729, 0.4314)
contains.

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Color

Yxy(77.4399, 0.2731, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	66FFAF
RGB	102, 255, 175
RGB Percent	40%, 100%, 69%
CMY	0.5999, 0.0000, 0.3137
CMYK	0.60, 0.00, 0.31, 0.00
HSL	149°, 100%, 70%
HSV	149°, 60%, 100%
XYZ	48.9783, 77.4399, 52.9238
YIQ	200.1330, -65.5080, -57.3160

Conversions

Conversions Part 2

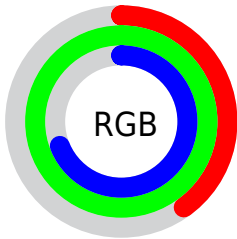
Format	Color
RYB	102, 206, 255
Decimal	6750127
CIELab	90.52, -58.29, 26.41
CIELCh	91, 63.998, 155.627
Yxy	77.4399, 0.2731, 0.4318
Android (android.graphics.Color)	4284940207 (0xFF66FFAF)
YUV	200.1330, -12.3906, -86.0626
Hunter-Lab	87.9999, -54.6518, 25.9425

Details

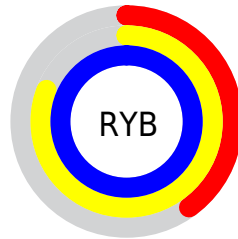
The Yxy color **77.4399, 0.2731, 0.4318** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.1433, 0.3986, 0.2500**, and the grayscale version is **57.9555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2889, 0.2742, 0.3560**, and **41.4232, 0.2621, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **75.6745, 0.2708, 0.4526**, and if you desaturate by 10%, it is **79.7170, 0.2772, 0.4115**.

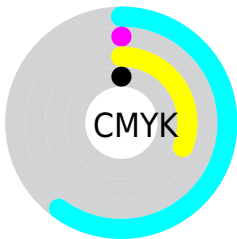
Distribution



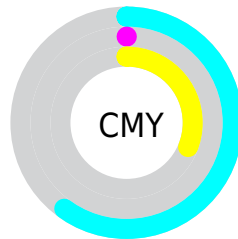
- Red (40%)
- Green (100%)
- Blue (69%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4399, 0.2731, 0.4318 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 77.4399, 0.2731, 0.4318 by changing the saturation by 10% instead.


 77.4399, 0.2731,
0.4318

 77.4399, 0.2731,
0.4318


486.2626, 0.2928,
0.3815

 57.6140, 0.2683,
0.4439

 129.7603, 0.2802,
0.4138

 41.4984, 0.2621,
0.4592


 163.0235, 0.2829,
0.4070

 28.7087, 0.2541,
0.4791


 201.5346, 0.2852,
0.4012

 18.8606, 0.2431,
0.5058

245.6781, 0.2871,
0.3962

 11.5696, 0.2274,
0.5434

295.8382, 0.2888,
0.3918

 6.4513, 0.2034,
0.5996


352.3994, 0.2903,


 3.1214, 0.1642,


0.3880


0.6959

415.7460, 0.2916,
0.3846


 1.1954, 0.0000,
1.0000


 0.0580, 0.0000,
1.0000


 77.4399, 0.2731,
0.4318


 77.4399, 0.2731,
0.4318


 75.6745, 0.2708,
0.4526


 79.7170, 0.2772,
0.4115

 74.3729, 0.2704,
0.4733


 82.5424, 0.2827,
0.3921

 73.4826, 0.2721,
0.4932

 85.9525, 0.2894,
0.3740

 72.9170, 0.2755,
0.5118

 89.9797, 0.2968,
0.3574

 72.9167, 0.2755,
0.5118

 94.6539, 0.3046,
0.3424

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.



77.4399, 0.3448, 0.4677



77.4399, 0.2731, 0.4318



77.4399, 0.2160, 0.3557

Triad

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



77.4399, 0.2731, 0.4318



77.4399, 0.2129, 0.2151



77.4399, 0.4581, 0.3493

Complementary

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



77.4399, 0.2731, 0.4318



34.1433, 0.3986, 0.2500

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.



77.4399, 0.4147, 0.2955



77.4399, 0.2731, 0.4318



77.4399, 0.2668, 0.2221

Square

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



77.4399, 0.2731, 0.4318



77.4399, 0.1857, 0.2334



77.4399, 0.3410, 0.2506



77.4399, 0.4550, 0.4048

Rectangle

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



77.4399, 0.2731, 0.4318



77.4399, 0.1928, 0.3036



77.4399, 0.3410, 0.2506



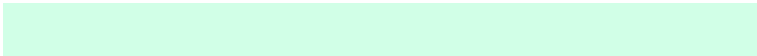
77.4399, 0.4485, 0.3308

Sweetspot

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



77.4409, 0.2731, 0.4318



90.8594, 0.2983, 0.3543



82.6214, 0.3485, 0.4979



19.1748, 0.2961, 0.3588



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.



77.4409, 0.2731, 0.4318



75.3778, 0.2705, 0.4568



81.2415, 0.2410, 0.3348



20.3125, 0.3050, 0.3417



38.1303, 0.2747, 0.5088



3.7345, 0.2687, 0.4874

Inverse Universe

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



34.1433, 0.3986, 0.2500



28.6225, 0.4255, 0.2410



31.8294, 0.4964, 0.3248



18.1458, 0.3212, 0.3166



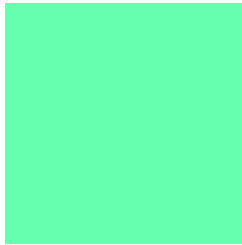
12.0290, 0.4867, 0.2455



1.1933, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 77.4399, 0.2731, 0.4318 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 77.4399, 0.2731, 0.4318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

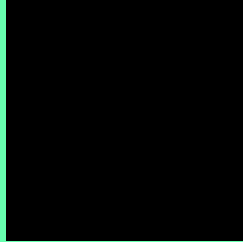
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4399, 0.2731, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 77.4399, 0.2731, 0.4318.

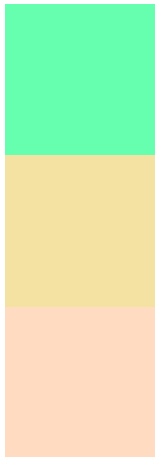


This preview shows how white text looks on a background with the Yxy color 77.4399, 0.2731, 0.4318.

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

77.4399, 0.2731, 0.4318

Protanopia

76.0560, 0.3684, 0.3964

Deuteranopia

75.8181, 0.3570, 0.3547



Tritanopia

77.0138, 0.2581, 0.3120

Trichromacy



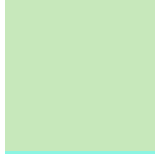
Original Color

77.4399, 0.2731, 0.4318



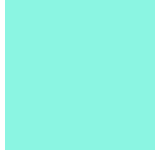
Protanomaly

74.5649, 0.3252, 0.4110



Deuteranomaly

73.4432, 0.3184, 0.3810



Tritanomaly

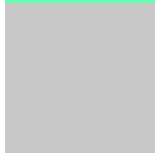
76.2848, 0.2628, 0.3516

Monochromacy



Original Color

77.4399, 0.2731, 0.4318



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8405, 0.2926, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4399, 0.2731, 0.4318 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(102, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 175)  
}
```

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(102, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 77.4399, 0.2731, 0.4318 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(102, 255, 175) }
```

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

```
.border{ border-color:rgb(102, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4399, 0.2731, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 175) }
```

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

```
.background{ background-color: rgb(102,  
255, 175) }
```

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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