

Converting Colors

$Yxy(77.3658, 0.2740, 0.4344)$

Have a look what the booklet for
Yxy(77.3658, 0.2740, 0.4344)
contains.

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Color

Yxy(77.3619, 0.2740, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	66FFAD
RGB	102, 255, 173
RGB Percent	40%, 100%, 68%
CMY	0.5999, 0.0000, 0.3215
CMYK	0.60, 0.00, 0.32, 0.00
HSL	148°, 100%, 70%
HSV	148°, 60%, 100%
XYZ	48.7852, 77.3619, 51.9010
YIQ	199.9050, -64.8660, -57.9380

Conversions

Conversions Part 2

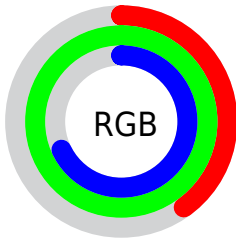
Format	Color
RYB	102, 207, 255
Decimal	6750125
CIELab	90.49, -58.67, 27.37
CIELCh	90, 64.738, 154.991
Yxy	77.3619, 0.2740, 0.4345
Android (android.graphics.Color)	4284940205 (0xFF66FFAD)
YUV	199.9050, -13.2642, -85.8627
Hunter-Lab	87.9556, -54.9161, 26.5830

Details

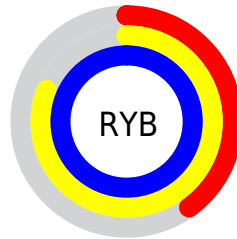
The Yxy color **77.3619, 0.2740, 0.4345** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.2298, 0.3961, 0.2481**, and the grayscale version is **57.8163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1765, 0.2752, 0.3583**, and **41.3741, 0.2631, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **75.5934, 0.2718, 0.4558**, and if you desaturate by 10%, it is **79.6468, 0.2780, 0.4136**.

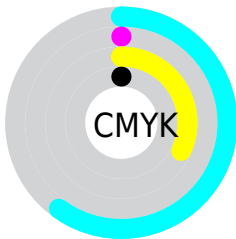
Distribution



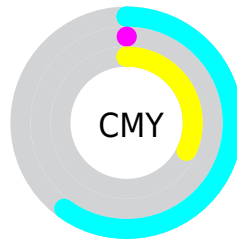
- Red (40%)
- Green (100%)
- Blue (68%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3619, 0.2740, 0.4345 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 77.3619, 0.2740, 0.4345 by changing the saturation by 10% instead.


 77.3619, 0.2740,
0.4345


 77.3619, 0.2740,
0.4345


485.9970, 0.2934,
0.3828


 57.5499, 0.2692,
0.4470

 129.6502, 0.2810,
0.4160

 41.4469, 0.2631,
0.4627


 162.8954, 0.2837,
0.4090

 28.6685, 0.2551,
0.4831


 201.3870, 0.2859,
0.4030

 18.8302, 0.2441,
0.5106

245.5096, 0.2878,
0.3979

 11.5476, 0.2283,
0.5493

295.6475, 0.2895,
0.3934

 6.4365, 0.2041,
0.6071


352.1851, 0.2909,


 3.1122, 0.1648,


0.3894


0.7086


415.5068, 0.2922,
0.3860


 1.1906, 0.0000,
1.0000


 0.0540, 0.0000,
1.0000

 77.3619, 0.2740,
0.4345

 77.3619, 0.2740,
0.4345


 75.5934, 0.2718,
0.4558


 79.6468, 0.2780,
0.4136


 74.2898, 0.2715,
0.4770

 82.4814, 0.2834,
0.3937

 73.3997, 0.2733,
0.4972

 85.9034, 0.2899,
0.3751

 72.8364, 0.2767,
0.5161

 89.9451, 0.2971,
0.3581

 72.8358, 0.2767,
0.5161

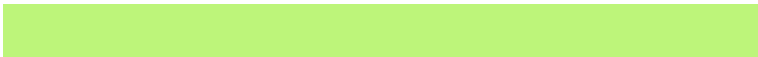
 94.6368, 0.3048,
0.3427

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.



77.3619, 0.3465, 0.4696



77.3619, 0.2740, 0.4345



77.3619, 0.2159, 0.3577

Triad

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



77.3619, 0.2740, 0.4345



77.3619, 0.2110, 0.2140



77.3619, 0.4594, 0.3481

Complementary

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



77.3619, 0.2740, 0.4345



34.2298, 0.3961, 0.2481

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.



77.3619, 0.4145, 0.2940



77.3619, 0.2740, 0.4345



77.3619, 0.2649, 0.2207

Square

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



77.3619, 0.2740, 0.4345



77.3619, 0.1842, 0.2330



77.3619, 0.3396, 0.2490



77.3619, 0.4571, 0.4042

Rectangle

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



77.3619, 0.2740, 0.4345



77.3619, 0.1921, 0.3047



77.3619, 0.3396, 0.2490



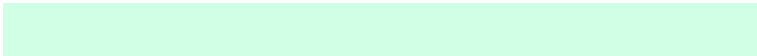
77.3619, 0.4493, 0.3295

Sweetspot

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



77.3640, 0.2740, 0.4345



90.8255, 0.2986, 0.3549



82.9394, 0.3502, 0.4970



19.1666, 0.2964, 0.3596



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.



77.3640, 0.2740, 0.4345



75.2953, 0.2716, 0.4601



81.0836, 0.2420, 0.3378



20.3084, 0.3052, 0.3420



38.0877, 0.2759, 0.5131



3.7303, 0.2698, 0.4914

Inverse Universe

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



34.2298, 0.3961, 0.2481



28.7124, 0.4220, 0.2387



31.8871, 0.4932, 0.3223



18.1499, 0.3210, 0.3163



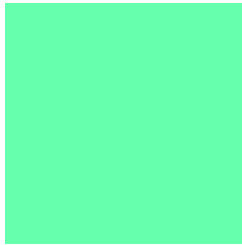
12.0782, 0.4812, 0.2424



1.1981, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 77.3619, 0.2740, 0.4345 looks on a white background.

Color Contrast Check

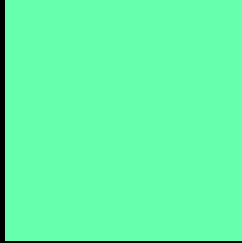
Large Text (above 18pt) WCAG AA × Fail

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 77.3619, 0.2740, 0.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

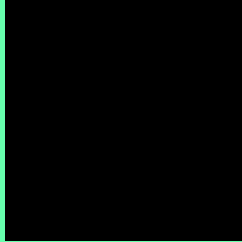
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3619, 0.2740, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 77.3619, 0.2740, 0.4345.



This preview shows how white text looks on a background with the Yxy color 77.3619, 0.2740, 0.4345.

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

77.3619, 0.2740, 0.4345

Protanopia

76.1639, 0.3705, 0.3983

Deuteranopia

75.7733, 0.3577, 0.3557



Tritanopia

77.0138, 0.2581, 0.3120

Trichromacy



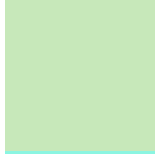
Original Color

77.3619, 0.2740, 0.4345



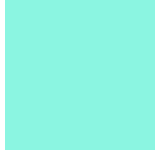
Protanomaly

74.4915, 0.3264, 0.4134



Deuteranomaly

73.4005, 0.3190, 0.3822



Tritanomaly

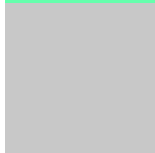
76.2300, 0.2633, 0.3528

Monochromacy



Original Color

77.3619, 0.2740, 0.4345



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7966, 0.2932, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3619, 0.2740, 0.4345 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 173) }
```

Border

The CSS property to change the border of an element to Yxy 77.3619, 0.2740, 0.4345 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, 173) }
```

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

```
.border{ border-color:rgb(102, 255, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3619, 0.2740, 0.4345 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, 173) }
```

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

```
.background{ background-color: rgb(102,  
255, 173) }
```

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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