

Converting Colors

$Y_{xy}(77.3380, 0.2743, 0.4354)$

Have a look what the booklet for
Yxy(77.3380, 0.2743, 0.4354)
contains.

Yxy(77.3233, 0.2744, 0.4359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3233, 0.2744, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	66FFAC
RGB	102, 255, 172
RGB Percent	40%, 100%, 67%
CMY	0.6005, 0.0000, 0.3255
CMYK	0.60, 0.00, 0.33, 0.00
HSL	147°, 100%, 70%
HSV	147°, 60%, 100%
XYZ	48.6752, 77.3233, 51.3892
YIQ	199.7910, -64.5450, -58.2490

Conversions

Conversions Part 2

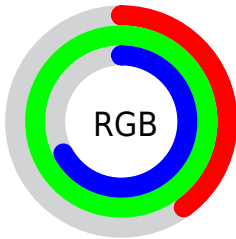
Format	Color
RYB	102, 207, 255
Decimal	6750124
CIELab	90.47, -58.89, 27.85
CIELCh	90, 65.147, 154.688
Yxy	77.3233, 0.2744, 0.4359
Android (android.graphics.Color)	4284940204 (0xFF66FFAC)
YUV	199.7910, -13.7010, -85.7627
Hunter-Lab	87.9337, -55.0763, 26.9040

Details

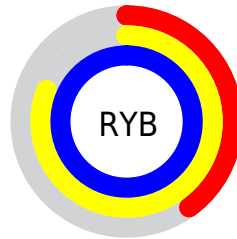
The Yxy color **77.3233, 0.2744, 0.4359** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.2358, 0.3951, 0.2472**, and the grayscale version is **57.7147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1208, 0.2757, 0.3595**, and **41.3500, 0.2636, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **75.5468, 0.2722, 0.4575**, and if you desaturate by 10%, it is **79.5987, 0.2783, 0.4148**.

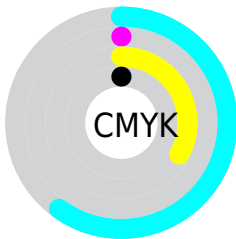
Distribution



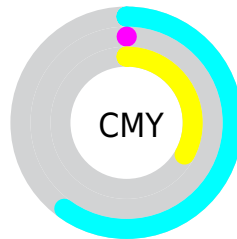
- Red (40%)
- Green (100%)
- Blue (67%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3233, 0.2744, 0.4359 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 77.3233, 0.2744, 0.4359 by changing the saturation by 10% instead.


 77.3233, 0.2744,
0.4359


 77.3233, 0.2744,
0.4359


485.8656, 0.2936,
0.3835


 57.5183, 0.2696,
0.4485


 129.5958, 0.2814,
0.4172

 41.4215, 0.2635,
0.4645


 162.8320, 0.2840,
0.4100

 28.6486, 0.2555,
0.4852


 201.3140, 0.2862,
0.4040

 18.8151, 0.2445,
0.5131

245.4263, 0.2881,
0.3988

 11.5368, 0.2287,
0.5524

295.5532, 0.2898,
0.3942

 6.4291, 0.2043,
0.6110


352.0791, 0.2912,


 3.1077, 0.1649,


0.3902


0.7154


415.3885, 0.2925,
0.3867

 1.1882, 0.0000,
1.0000


 0.0521, 0.0000,
1.0000


 77.3233, 0.2744,
0.4359

 77.3233, 0.2744,
0.4359


 75.5468, 0.2722,
0.4575


 79.5987, 0.2783,
0.4148


 74.2452, 0.2720,
0.4788

 82.4338, 0.2837,
0.3946

 73.3577, 0.2738,
0.4992

 85.8574, 0.2901,
0.3758

 72.7993, 0.2772,
0.5181

 89.9019, 0.2972,
0.3585

 94.5974, 0.3049,
0.3430

99.9722, 0.3127,
0.3291

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.



77.3233, 0.3474, 0.4706



77.3233, 0.2744, 0.4359



77.3233, 0.2157, 0.3587

Triad

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



77.3233, 0.2744, 0.4359



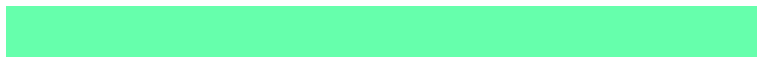
77.3233, 0.2100, 0.2134



77.3233, 0.4601, 0.3476

Complementary

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



77.3233, 0.2744, 0.4359



34.2358, 0.3951, 0.2472

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.



77.3233, 0.4145, 0.2932



77.3233, 0.2744, 0.4359



77.3233, 0.2639, 0.2199

Square

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



77.3233, 0.2744, 0.4359



77.3233, 0.1833, 0.2327



77.3233, 0.3389, 0.2482



77.3233, 0.4582, 0.4040

Rectangle

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



77.3233, 0.2744, 0.4359



77.3233, 0.1917, 0.3052



77.3233, 0.3389, 0.2482



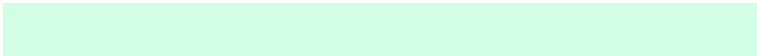
77.3233, 0.4498, 0.3289

Sweetspot

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



77.3162, 0.2744, 0.4359



90.8099, 0.2988, 0.3552



82.9278, 0.3502, 0.4971



19.1627, 0.2966, 0.3600



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.



77.3162, 0.2744, 0.4359



75.2576, 0.2720, 0.4617



81.0742, 0.2419, 0.3378



20.3066, 0.3053, 0.3422



38.0685, 0.2764, 0.5150



3.7283, 0.2703, 0.4932

Inverse Universe

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



34.2358, 0.3951, 0.2472



28.7546, 0.4204, 0.2377



31.8540, 0.4935, 0.3223



18.1518, 0.3209, 0.3162



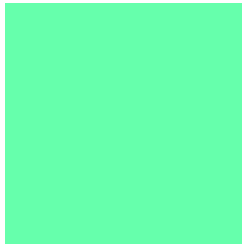
12.1014, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Previews

White Background



This preview shows how the Yxy color 77.3233, 0.2744, 0.4359 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 77.3233, 0.2744, 0.4359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

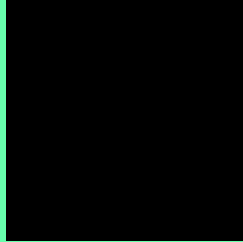
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3233, 0.2744, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 77.3233, 0.2744, 0.4359.

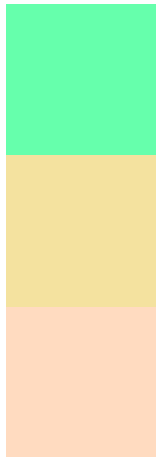


This preview shows how white text looks on a background with the Yxy color 77.3233, 0.2744, 0.4359.

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

77.3233, 0.2744, 0.4359

Protanopia

76.1290, 0.3712, 0.3993

Deuteranopia

75.7288, 0.3584, 0.3567



Tritanopia

76.9111, 0.2576, 0.3120

Trichromacy



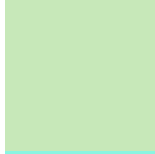
Original Color

77.3233, 0.2744, 0.4359



Protanomaly

74.4552, 0.3270, 0.4146



Deuteranomaly

73.3581, 0.3196, 0.3834



Tritanomaly

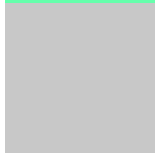
76.1443, 0.2628, 0.3528

Monochromacy



Original Color

77.3233, 0.2744, 0.4359



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 77.3233, 0.2744, 0.4359 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 77.3233, 0.2744, 0.4359 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, 172) }
```

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

```
.border{ border-color:rgb(102, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3233, 0.2744, 0.4359 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, 172) }
```

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

```
.background{ background-color: rgb(102,  
255, 172) }
```

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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