

Converting Colors

$Yxy(77.0716, 0.3762, 0.5112)$

Have a look what the booklet for
Yxy(77.0716, 0.3762, 0.5112)
contains.

Yxy(77.2368, 0.3763, 0.5109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.2368, 0.3763, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	C7F442
RGB	199, 244, 66
RGB Percent	78%, 96%, 26%
CMY	0.2196, 0.0431, 0.7414
CMYK	0.18, 0.00, 0.73, 0.04
HSL	75°, 89%, 61%
HSV	75°, 73%, 96%
XYZ	56.8883, 77.2368, 17.0529
YIQ	210.2530, 30.3180, -64.8980

Conversions

Conversions Part 2

Format	Color
RYB	66, 244, 111
Decimal	13104194
CIELab	90.43, -37.38, 75.69
CIElCh	90, 84.422, 116.282
Yxy	77.2368, 0.3763, 0.5109
Android (android.graphics.Color)	4291294274 (0xFFC7F442)
YUV	210.2530, -71.1167, -9.8689
Hunter-Lab	87.8845, -38.2535, 50.0147

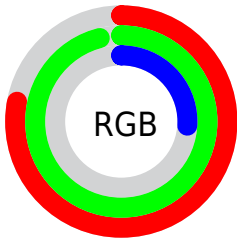
Details

The Yxy color **77.2368, 0.3763, 0.5109** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **13.7952, 0.1977, 0.1099**, and the grayscale version is **65.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **41.6292, 0.3757, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **76.1852, 0.3777, 0.5259**, and if you desaturate by 10%, it is **78.4522, 0.3723, 0.4914**.

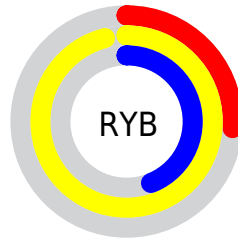
Distribution



Red (78%)

Green (96%)

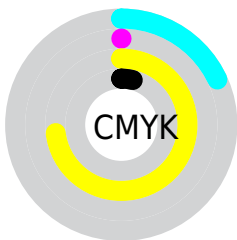
Blue (26%)



Red (26%)

Yellow (96%)

Blue (44%)

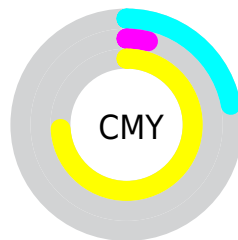


Cyan (18%)

Magenta (0%)

Yellow (73%)

Black (4%)



Cyan (22%)


Magenta (4%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2368, 0.3763, 0.5109 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 77.2368, 0.3763, 0.5109 by changing the saturation by 10% instead.


 77.2368, 0.3763,
0.5109


 77.2368, 0.3763,
0.5109


485.5710, 0.3548,
0.4274


 57.4472, 0.3786,
0.5284

 129.4737, 0.3709,
0.4829

 41.3644, 0.3799,
0.5489


 162.6898, 0.3681,
0.4717


 28.6040, 0.3793,
0.5727


 201.1503, 0.3655,
0.4619

 18.7814, 0.3748,
0.6000

 245.2394, 0.3630,
0.4533

 11.5124, 0.3655,
0.6345

 295.3417, 0.3607,
0.4456

 6.4126, 0.3383,
0.6617


351.8414, 0.3586,


 3.0976, 0.2960,


0.4389


0.7040


415.1231, 0.3566,
0.4328


 1.1829, 0.1352,
0.8648


 0.0477, 0.0000,
1.0000


 77.2368, 0.3763,
0.5109


 77.2368, 0.3763,
0.5109


 76.1852, 0.3777,
0.5259

 78.4522, 0.3723,
0.4914


 75.2696, 0.3765,
0.5360

 79.8351, 0.3660,
0.4683


 74.6921, 0.3745,
0.5408


 81.4015, 0.3577,
0.4426


 83.1624, 0.3481,
0.4156

 85.1280, 0.3376,
0.3884

 87.3076, 0.3267,
0.3617

 89.7098, 0.3159,
0.3363

 91.9411, 0.3089,
0.3183

 93.0886, 0.3129,
0.3185

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2368, 0.4566, 0.4636



77.2368, 0.3763, 0.5109



77.2368, 0.2849, 0.4934

Triad

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



77.2368, 0.3763, 0.5109



77.2368, 0.1507, 0.2190



77.2368, 0.4186, 0.2656

Complementary

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



77.2368, 0.3763, 0.5109



13.7952, 0.1977, 0.1099

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.



77.2368, 0.3160, 0.2169



77.2368, 0.3763, 0.5109



77.2368, 0.1730, 0.1887

Square

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



77.2368, 0.3763, 0.5109



77.2368, 0.1603, 0.2897



77.2368, 0.2281, 0.1897



77.2368, 0.4923, 0.3276

Rectangle

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



77.2368, 0.3763, 0.5109



77.2368, 0.2292, 0.4355



77.2368, 0.2281, 0.1897



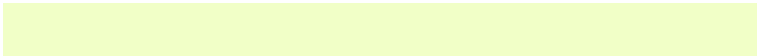
77.2368, 0.3851, 0.2474

Sweetspot

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



77.2403, 0.3763, 0.5109



94.3090, 0.3366, 0.3858



30.8759, 0.5254, 0.3694



20.0534, 0.3395, 0.3932



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.



77.2403, 0.3763, 0.5109



83.6639, 0.3774, 0.5318



68.4404, 0.3198, 0.5497



19.0905, 0.3229, 0.3527



40.6802, 0.3753, 0.5402



3.6238, 0.3810, 0.5357

Inverse Universe

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



13.7952, 0.1977, 0.1099



10.2197, 0.1755, 0.0798



22.6294, 0.2754, 0.1486



16.1290, 0.3019, 0.3048



4.1567, 0.1647, 0.0681



0.4122, 0.1770, 0.0749

Previews

White Background



This preview shows how the Yxy color 77.2368, 0.3763, 0.5109 looks on a white background.

Color Contrast Check

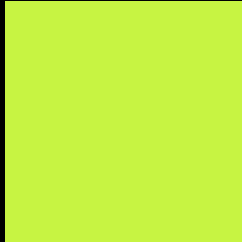
Large Text (above 18pt) WCAG AA × Fail

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 77.2368, 0.3763, 0.5109 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 77.2368, 0.3763, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 77.2368, 0.3763, 0.5109.



This preview shows how white text looks on a background with the Yxy color 77.2368, 0.3763, 0.5109.

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

77.2368, 0.3763, 0.5109

Protanopia

76.5460, 0.4301, 0.4731

Deuteranopia

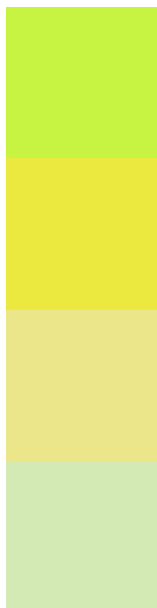
76.6769, 0.3684, 0.3751



Tritanopia

77.0461, 0.2949, 0.3100

Trichromacy



Original Color

77.2368, 0.3763, 0.5109

Protanomaly

76.2989, 0.4105, 0.4871

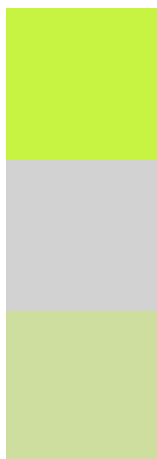
Deuteranomaly

76.0619, 0.3769, 0.4274

Tritanomaly

76.0307, 0.3303, 0.3886

Monochromacy



Original Color

77.2368, 0.3763, 0.5109

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.8330, 0.3438, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2368, 0.3763, 0.5109 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(199, 244, 66)` looks like.

```
.text, #text, p{  
    color:rgb(199, 244, 66)  
}
```

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(199, 244, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 244, 66) }
```

Border

The CSS property to change the border of an element to Yxy 77.2368, 0.3763, 0.5109 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(199, 244, 66) }
```

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

```
.border{ border-color:rgb(199, 244, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 244, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 244, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 244, 66);  
box-shadow:4px 4px 4px 4px rgb(199, 244,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2368, 0.3763, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 244, 66) }
```

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

```
.background{ background-color: rgb(199,  
244, 66) }
```

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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