

Converting Colors

$Yxy(77.0755, 0.3763, 0.5112)$

Have a look what the booklet for
Yxy(77.0755, 0.3763, 0.5112)
contains.

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Color

Yxy(77.2251, 0.3766, 0.5114)

Conversions

Conversions Part 1

Format	Color
Hex	C7F441
RGB	199, 244, 65
RGB Percent	78%, 96%, 25%
CMY	0.2194, 0.0432, 0.7450
CMYK	0.18, 0.00, 0.73, 0.04
HSL	75°, 89%, 61%
HSV	75°, 73%, 96%
XYZ	56.8693, 77.2251, 16.9128
YIQ	210.1390, 30.6390, -65.2090

Conversions

Conversions Part 2

Format	Color
RYB	65, 244, 110
Decimal	13104193
CIELab	90.43, -37.40, 75.98
CIElCh	90, 84.690, 116.210
Yxy	77.2251, 0.3766, 0.5114
Android (android.graphics.Color)	4291294273 (0xFFC7F441)
YUV	210.1390, -71.5535, -9.7689
Hunter-Lab	87.8778, -38.2715, 50.1036

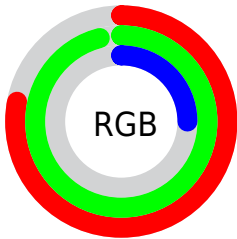
Details

The Yxy color **77.2251, 0.3766, 0.5114** 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 **13.6278, 0.1969, 0.1089**, and the grayscale version is **65.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **41.6292, 0.3757, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **76.1825, 0.3779, 0.5262**, and if you desaturate by 10%, it is **78.4304, 0.3727, 0.4921**.

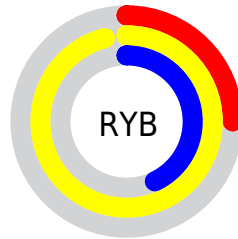
Distribution



Red (78%)

Green (96%)

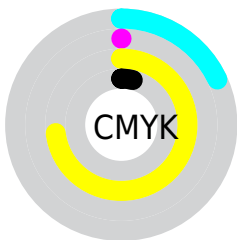
Blue (25%)



Red (25%)

Yellow (96%)

Blue (43%)

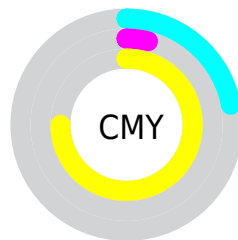


Cyan (18%)

Magenta (0%)

Yellow (73%)

Black (4%)



Cyan (22%)


Magenta (4%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2251, 0.3766, 0.5114 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 77.2251, 0.3766, 0.5114 by changing the saturation by 10% instead.


 77.2251, 0.3766,
0.5114


 77.2251, 0.3766,
0.5114


485.5312, 0.3550,
0.4277

 57.4376, 0.3789,
0.5289


 129.4572, 0.3712,
0.4834

 41.3567, 0.3802,
0.5494

 162.6706, 0.3684,
0.4721


 28.5979, 0.3795,
0.5732


 201.1281, 0.3658,
0.4623

 18.7769, 0.3750,
0.6005

 245.2141, 0.3633,
0.4536

 11.5092, 0.3655,
0.6345

 295.3131, 0.3610,
0.4460

 6.4104, 0.3381,
0.6619


351.8093, 0.3588,


 3.0962, 0.2958,


0.4392


0.7042


415.0872, 0.3568,
0.4332


 1.1822, 0.1346,
0.8654


 0.0471, 0.0000,
1.0000


 77.2251, 0.3766,
0.5114

 77.2251, 0.3766,
0.5114

 76.1825, 0.3779,
0.5262


 78.4304, 0.3727,
0.4921

 75.2749, 0.3767,
0.5361

 79.8024, 0.3664,
0.4691

 74.7307, 0.3748,
0.5406


 81.3569, 0.3582,
0.4435


 83.1052, 0.3485,
0.4166

 85.0573, 0.3381,
0.3893

 87.2226, 0.3272,
0.3627

 89.6097, 0.3163,
0.3372

 91.8859, 0.3088,
0.3183

 93.0246, 0.3127,
0.3185

Harmonies

Analogous

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



77.2251, 0.4571, 0.4637



77.2251, 0.3766, 0.5114



77.2251, 0.2849, 0.4941

Triad

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



77.2251, 0.3766, 0.5114



77.2251, 0.1503, 0.2188



77.2251, 0.4187, 0.2653

Complementary

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



77.2251, 0.3766, 0.5114



13.6278, 0.1969, 0.1089

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.



77.2251, 0.3157, 0.2165



77.2251, 0.3766, 0.5114



77.2251, 0.1726, 0.1884

Square

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



77.2251, 0.3766, 0.5114



77.2251, 0.1599, 0.2897



77.2251, 0.2277, 0.1893



77.2251, 0.4928, 0.3274

Rectangle

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



77.2251, 0.3766, 0.5114



77.2251, 0.2291, 0.4361



77.2251, 0.2277, 0.1893



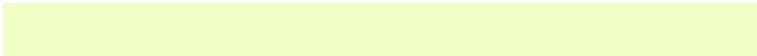
77.2251, 0.3851, 0.2470

Sweetspot

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



77.2286, 0.3766, 0.5114



94.3244, 0.3367, 0.3858



30.7159, 0.5269, 0.3694



20.0571, 0.3396, 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.



77.2286, 0.3766, 0.5114



83.7115, 0.3776, 0.5316



68.3792, 0.3197, 0.5506



19.0919, 0.3230, 0.3527



40.7052, 0.3755, 0.5400



3.6258, 0.3812, 0.5355

Inverse Universe

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



13.6278, 0.1969, 0.1089



10.2029, 0.1754, 0.0797



22.4916, 0.2752, 0.1479



16.1277, 0.3018, 0.3048



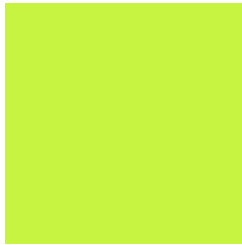
4.1498, 0.1646, 0.0680



0.4114, 0.1768, 0.0748

Previews

White Background



This preview shows how the Yxy color 77.2251, 0.3766, 0.5114 looks on a white background.

Color Contrast Check

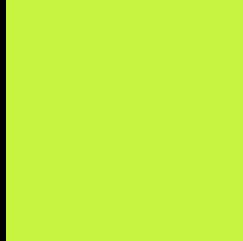
Large Text (above 18pt) WCAG AA × Fail

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 77.2251, 0.3766, 0.5114 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 77.2251, 0.3766, 0.5114

Background



This preview shows how black text looks on a background with the Yxy color 77.2251, 0.3766, 0.5114.



This preview shows how white text looks on a background with the Yxy color 77.2251, 0.3766, 0.5114.

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

77.2251, 0.3766, 0.5114

Protanopia

76.5351, 0.4304, 0.4736

Deuteranopia

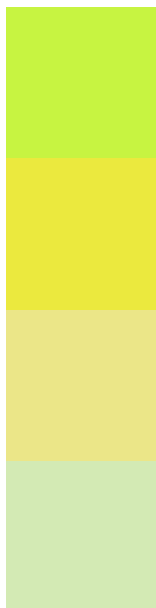
76.6769, 0.3684, 0.3751



Tritanopia

77.0461, 0.2949, 0.3100

Trichromacy



Original Color

77.2251, 0.3766, 0.5114

Protanomaly

76.2878, 0.4108, 0.4876

Deuteranomaly

76.0334, 0.3775, 0.4284

Tritanomaly

75.9898, 0.3310, 0.3898

Monochromacy



Original Color

77.2251, 0.3766, 0.5114

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.7987, 0.3444, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2251, 0.3766, 0.5114 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(199, 244, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 244, 65) }
```

Border

The CSS property to change the border of an element to Yxy 77.2251, 0.3766, 0.5114 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, 65) }
```

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

```
.border{ border-color:rgb(199, 244, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 244, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 244, 65);  
box-shadow:4px 4px 4px 4px rgb(199, 244,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2251, 0.3766, 0.5114 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, 65) }
```

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

```
.background{ background-color: rgb(199,  
244, 65) }
```

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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