

Converting Colors

$Y_{xy}(75.1372, 0.3739, 0.5413)$

Have a look what the booklet for
Yxy(75.1372, 0.3739, 0.5413)
contains.

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Color

Yxy(75.2499, 0.3737, 0.5414)

Conversions

Conversions Part 1

Format	Color
Hex	B6F500
RGB	182, 245, 0
RGB Percent	71%, 96%, 0%
CMY	0.2864, 0.0392, 0.9980
CMYK	0.26, 0.00, 1.00, 0.04
HSL	75°, 100%, 48%
HSV	75°, 100%, 96%
XYZ	51.9411, 75.2499, 11.8004
YIQ	198.2330, 41.0970, -89.5510

Conversions

Conversions Part 2

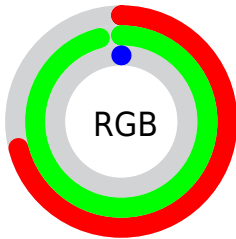
Format	Color
RYB	0, 245, 63
Decimal	11990272
CIELab	89.51, -46.00, 86.56
CIELCh	90, 98.023, 117.987
Yxy	75.2499, 0.3737, 0.5414
Android (android.graphics.Color)	4290180352 (0xFFB6F500)
YUV	198.2330, -97.7289, -14.2363
Hunter-Lab	86.7467, -44.9268, 52.6573

Details

The Yxy color **75.2499, 0.3737, 0.5414** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **7.6784, 0.1641, 0.0679**, and the grayscale version is **57.2425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3474, 0.3933, 0.4812**, and **40.1040, 0.3588, 0.5533** is the 20% darker color. If you saturate the color by 10%, you get **75.2365, 0.3736, 0.5415**, and if you desaturate by 10%, it is **76.1087, 0.3763, 0.5340**.

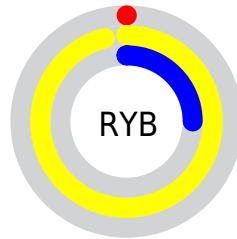
Distribution



Red (71%)

Green (96%)

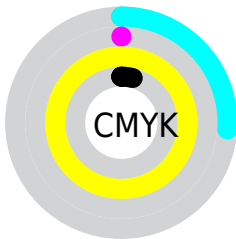
Blue (0%)



Red (0%)

Yellow (96%)

Blue (25%)

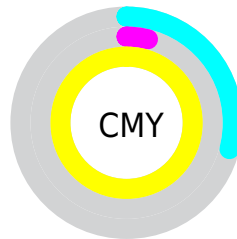


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (29%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2499, 0.3737, 0.5414 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 75.2499, 0.3737, 0.5414 by changing the saturation by 10% instead.

 75.2499, 0.3737,
0.5414


 75.2499, 0.3737,
0.5414


478.7761, 0.3569,
0.4444

 55.8176, 0.3737,
0.5611


 126.6660, 0.3708,
0.5094

 40.0567, 0.3718,
0.5835


 159.4187, 0.3688,
0.4963


 27.5828, 0.3663,
0.6087


 197.3803, 0.3667,
0.4849

 18.0114, 0.3580,
0.6420

 240.9352, 0.3646,
0.4748

 10.9582, 0.3337,
0.6663

 290.4679, 0.3626,
0.4659

 6.0387, 0.2989,
0.7011

 346.3626, 0.3606,

 2.8686, 0.2454,

0.4579

409.0039, 0.3587,
0.4508

0.7546

■ 1.0635, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.2499, 0.3737,
0.5414

■ 75.2499, 0.3737,
0.5414

■ 75.2365, 0.3736,
0.5415

■ 76.1087, 0.3763,
0.5340

■ 77.0861, 0.3768,
0.5222

■ 78.2116, 0.3747,
0.5056

■ 79.5016, 0.3700,
0.4847

■ 80.9699, 0.3631,
0.4606

■ 82.6285, 0.3544,
0.4343

■ 84.4884, 0.3446,
0.4070

■ 86.5595, 0.3340,
0.3798

■ 88.8509, 0.3232,
0.3535

Harmonies

Analogous

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



75.2499, 0.4676, 0.4809



75.2499, 0.3737, 0.5414



75.2499, 0.2708, 0.5220

Triad

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



75.2499, 0.3737, 0.5414



75.2499, 0.1314, 0.1989



75.2499, 0.4423, 0.2592

Complementary

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



75.2499, 0.3737, 0.5414



7.6784, 0.1641, 0.0679

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.



75.2499, 0.3218, 0.2046



75.2499, 0.3737, 0.5414



75.2499, 0.1576, 0.1697

Square

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



75.2499, 0.3737, 0.5414



75.2499, 0.1384, 0.2743



75.2499, 0.2200, 0.1733



75.2499, 0.5244, 0.3271

Rectangle

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



75.2499, 0.3737, 0.5414



75.2499, 0.2096, 0.4486



75.2499, 0.2200, 0.1733



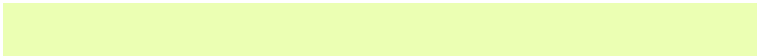
75.2499, 0.4032, 0.2389

Sweetspot

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



75.2533, 0.3737, 0.5414



92.4639, 0.3448, 0.4077



22.8200, 0.6100, 0.3536



19.6015, 0.3491, 0.4193



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.



75.2533, 0.3737, 0.5414



82.3719, 0.3735, 0.5416



66.3237, 0.3093, 0.5925



19.0860, 0.3229, 0.3527



40.5979, 0.3744, 0.5409



3.6172, 0.3802, 0.5363

Inverse Universe

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



7.6784, 0.1641, 0.0679



8.3693, 0.1638, 0.0676



16.7797, 0.2574, 0.1192



16.1332, 0.3019, 0.3048



4.1797, 0.1653, 0.0684



0.4147, 0.1777, 0.0752

Previews

White Background



This preview shows how the Yxy color 75.2499, 0.3737, 0.5414 looks on a white background.

Color Contrast Check

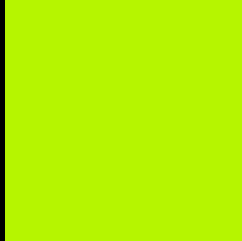
Large Text (above 18pt) WCAG AA × Fail

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 75.2499, 0.3737, 0.5414 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 75.2499, 0.3737, 0.5414

Background



This preview shows how black text looks on a background with the Yxy color 75.2499, 0.3737, 0.5414.

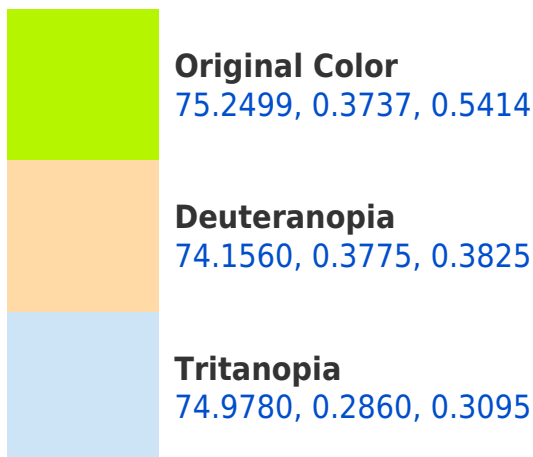


This preview shows how white text looks on a background with the Yxy color 75.2499, 0.3737, 0.5414.

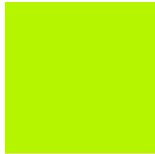
Color Blindness Simulation

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

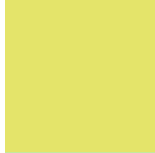


Trichromacy



Original Color

75.2499, 0.3737, 0.5414



Deuteranomaly

73.0214, 0.3901, 0.4569



Tritanomaly

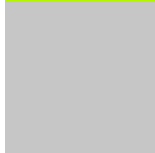
73.0157, 0.3345, 0.4191

Monochromacy



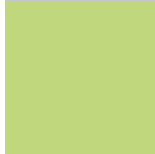
Original Color

75.2499, 0.3737, 0.5414



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.3137, 0.3556, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2499, 0.3737, 0.5414 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(182, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 245, 0)  
}
```

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(182, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.2499, 0.3737, 0.5414 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(182, 245, 0) }
```

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

```
.border{ border-color:rgb(182, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 245,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 75.2499, 0.3737, 0.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 245, 0) }
```

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

```
.background{ background-color: rgb(182,  
245, 0) }
```

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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