

Converting Colors

Yxy(76.4699, 0.3713, 0.5434)

Have a look what the booklet for
Yxy(76.4699, 0.3713, 0.5434)
contains.

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Color

Yxy(76.2248, 0.3713, 0.5434)

Conversions

Conversions Part 1

Format	Color
Hex	B4F700
RGB	180, 247, 0
RGB Percent	71%, 97%, 0%
CMY	0.2941, 0.0314, 1.0000
CMYK	0.27, 0.00, 1.00, 0.03
HSL	76°, 100%, 48%
HSV	76°, 100%, 97%
XYZ	52.0837, 76.2248, 11.9654
YIQ	198.8090, 39.3550, -91.0210

Conversions

Conversions Part 2

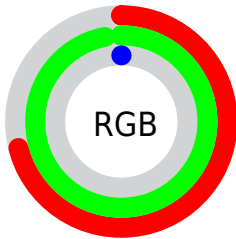
Format	Color
RYB	0, 247, 67
Decimal	11859712
CIELab	89.96, -47.58, 86.90
CIElCh	90, 99.073, 118.703
Yxy	76.2248, 0.3713, 0.5434
Android (android.graphics.Color)	4290049792 (0xFFB4F700)
YUV	198.8090, -98.0128, -16.4955
Hunter-Lab	87.3068, -46.3011, 52.9891

Details

The Yxy color **76.2248, 0.3713, 0.5434** 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 **7.9090, 0.1654, 0.0685**, and the grayscale version is **57.5860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0111, 0.3915, 0.4814**, and **40.8200, 0.3560, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **76.2283, 0.3713, 0.5434**, and if you desaturate by 10%, it is **77.1209, 0.3742, 0.5358**.

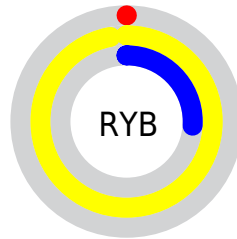
Distribution



Red (71%)

Green (97%)

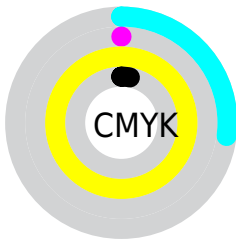
Blue (0%)



Red (0%)

Yellow (97%)

Blue (26%)

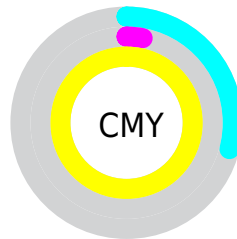


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (29%)


Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2248, 0.3713, 0.5434 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 76.2248, 0.3713, 0.5434 by changing the saturation by 10% instead.

 76.2248, 0.3713,
0.5434


 76.2248, 0.3713,
0.5434


482.1169, 0.3558,
0.4454


 56.6169, 0.3711,
0.5633

 128.0446, 0.3689,
0.5110


 40.6977, 0.3688,
0.5860


 161.0253, 0.3670,
0.4979


 28.0830, 0.3630,
0.6117


 199.2323, 0.3651,
0.4863

 18.3882, 0.3543,
0.6457

 243.0501, 0.3631,
0.4761

 11.2291, 0.3296,
0.6704

 292.8631, 0.3612,
0.4671

 6.2211, 0.2943,
0.7057


 349.0556, 0.3593,

 2.9800, 0.2404,

0.4591


0.7596


412.0121, 0.3575,
0.4519


 1.1213, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.2248, 0.3713,
0.5434

 76.2248, 0.3713,
0.5434

 76.2283, 0.3713,
0.5434

 77.1209, 0.3742,
0.5358

 78.1403, 0.3749,
0.5239

 79.3140, 0.3731,
0.5071

 80.6588, 0.3687,
0.4861

■ 82.1888, 0.3621,
0.4617

■ 83.9166, 0.3537,
0.4352

■ 85.8532, 0.3441,
0.4078

■ 88.0090, 0.3338,
0.3805

■ 90.3934, 0.3232,
0.3540

Harmonies

Analogous

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



76.2248, 0.4662, 0.4833



76.2248, 0.3713, 0.5434



76.2248, 0.2680, 0.5215

Triad

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



76.2248, 0.3713, 0.5434



76.2248, 0.1308, 0.1970



76.2248, 0.4458, 0.2603

Complementary

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



76.2248, 0.3713, 0.5434



7.9090, 0.1654, 0.0685

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.



76.2248, 0.3247, 0.2051



76.2248, 0.3713, 0.5434



76.2248, 0.1579, 0.1686

Square

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



76.2248, 0.3713, 0.5434



76.2248, 0.1369, 0.2714



76.2248, 0.2214, 0.1731



76.2248, 0.5267, 0.3286

Rectangle

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



76.2248, 0.3713, 0.5434



76.2248, 0.2069, 0.4462



76.2248, 0.2214, 0.1731



76.2248, 0.4066, 0.2399

Sweetspot

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



76.2283, 0.3713, 0.5434



92.2891, 0.3441, 0.4079



23.6560, 0.6069, 0.3563



19.5595, 0.3483, 0.4195



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.



76.2283, 0.3713, 0.5434



81.9380, 0.3712, 0.5435



67.4131, 0.3081, 0.5936



19.0744, 0.3227, 0.3527



40.3866, 0.3721, 0.5428



3.6001, 0.3782, 0.5379

Inverse Universe

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



7.9090, 0.1654, 0.0685



8.4914, 0.1652, 0.0684



17.5819, 0.2614, 0.1214



16.1441, 0.3022, 0.3048



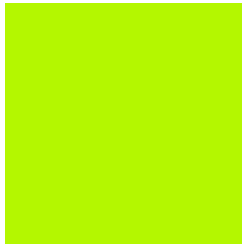
4.2423, 0.1668, 0.0692



0.4215, 0.1794, 0.0762

Previews

White Background



This preview shows how the Yxy color 76.2248, 0.3713, 0.5434 looks on a white background.

Color Contrast Check

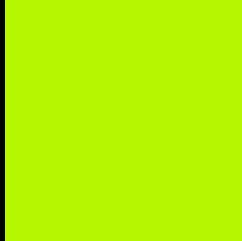
Large Text (above 18pt) WCAG AA × Fail

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 76.2248, 0.3713, 0.5434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

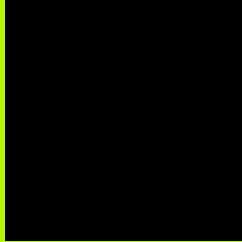
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2248, 0.3713, 0.5434

Background



This preview shows how black text looks on a background with the Yxy color 76.2248, 0.3713, 0.5434.

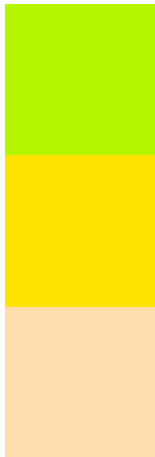


This preview shows how white text looks on a background with the Yxy color 76.2248, 0.3713, 0.5434.

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

76.2248, 0.3713, 0.5434

Protanopia

75.4635, 0.4405, 0.4884

Deuteranopia

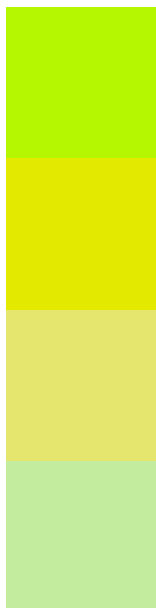
75.3867, 0.3733, 0.3793



Tritanopia

76.0674, 0.2843, 0.3095

Trichromacy



Original Color

76.2248, 0.3713, 0.5434

Protanomaly

75.1765, 0.4141, 0.5094

Deuteranomaly

74.1917, 0.3875, 0.4560

Tritanomaly

74.0616, 0.3328, 0.4201

Monochromacy



Original Color

76.2248, 0.3713, 0.5434

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

61.8505, 0.3546, 0.4376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2248, 0.3713, 0.5434 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(180, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 247, 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(180, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.2248, 0.3713, 0.5434 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(180, 247, 0) }
```

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

```
.border{ border-color:rgb(180, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 247,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2248, 0.3713, 0.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 247, 0) }
```

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

```
.background{ background-color: rgb(180,  
247, 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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