

Converting Colors

$Yxy(77.5478, 0.3698, 0.5439)$

Have a look what the booklet for
Yxy(77.5478, 0.3698, 0.5439)
contains.

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Color

Yxy(77.4634, 0.3700, 0.5437)

Conversions

Conversions Part 1

Format	Color
Hex	B4F904
RGB	180, 249, 4
RGB Percent	71%, 98%, 2%
CMY	0.2942, 0.0235, 0.9832
CMYK	0.28, 0.00, 0.98, 0.02
HSL	77°, 97%, 50%
HSV	77°, 98%, 98%
XYZ	52.7156, 77.4634, 12.2956
YIQ	200.4390, 37.5210, -90.8230

Conversions

Conversions Part 2

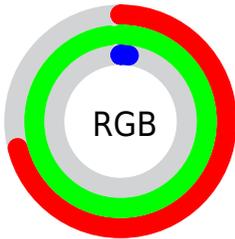
Format	Color
R _Y B	4, 249, 73
Decimal	11860228
CIE Lab	90.53, -48.39, 87.01
CIE LCh	91, 99.563, 119.082
Yxy	77.4634, 0.3700, 0.5437
Android (android.graphics.Color)	4290050308 (0xFFB4F904)
YUV	200.4390, -96.8444, -17.9250
Hunter-Lab	88.0133, -47.1107, 53.3264

Details

The Yxy color **77.4634, 0.3700, 0.5437** 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 **8.3627, 0.1681, 0.0706**, and the grayscale version is **58.6547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0289, 0.3911, 0.4808**, and **41.6923, 0.3549, 0.5564** is the 20% darker color. If you saturate the color by 10%, you get **77.3129, 0.3694, 0.5449**, and if you desaturate by 10%, it is **78.4116, 0.3728, 0.5355**.

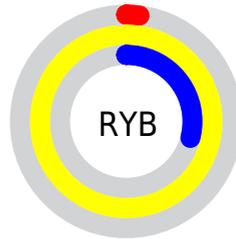
Distribution



Red (71%)

Green (98%)

Blue (2%)



Red (2%)

Yellow (98%)

Blue (29%)

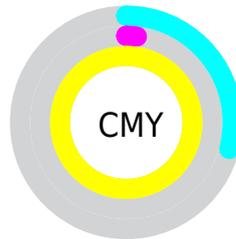


Cyan (28%)

Magenta (0%)

Yellow (98%)

Black (2%)



Cyan (29%)

Magenta (2%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4634, 0.3700, 0.5437 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 77.4634, 0.3700, 0.5437 by changing the saturation by 10% instead.

 77.4634, 0.3700,
0.5437

 77.4634, 0.3700,
0.5437

486.3426, 0.3551,
0.4457

 57.6333, 0.3697,
0.5636

 129.7934, 0.3677,
0.5113

 41.5139, 0.3674,
0.5864

 163.0621, 0.3660,
0.4981

 28.7209, 0.3615,
0.6122

 201.5791, 0.3641,
0.4866

 18.8698, 0.3530,
0.6467

 245.7288, 0.3622,
0.4764

 11.5762, 0.3285,
0.6715

 295.8956, 0.3603,
0.4674

 6.4558, 0.2934,
0.7066

 352.4639, 0.3585,

 3.1242, 0.2401,

0.4594

0.7599

415.8181, 0.3567,
0.4522

 1.1969, 0.0000,
1.0000

 0.0592, 0.0000,
1.0000

 77.4634, 0.3700,
0.5437

 77.4634, 0.3700,
0.5437

 77.3129, 0.3694,
0.5449

 78.4116, 0.3728,
0.5355

 79.4970, 0.3733,
0.5225

 80.7459, 0.3712,
0.5047

 82.1752, 0.3666,
0.4828

■ 83.7988, 0.3598,
0.4577

■ 85.6294, 0.3514,
0.4308

■ 87.6781, 0.3418,
0.4032

■ 89.9554, 0.3316,
0.3759

■ 92.4709, 0.3212,
0.3496

Harmonies

Analogous

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



77.4634, 0.4651, 0.4843



77.4634, 0.3700, 0.5437



77.4634, 0.2668, 0.5204

Triad

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



77.4634, 0.3700, 0.5437



77.4634, 0.1310, 0.1964



77.4634, 0.4471, 0.2611

Complementary

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



77.4634, 0.3700, 0.5437



8.3627, 0.1681, 0.0706

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.



77.4634, 0.3262, 0.2057



77.4634, 0.3700, 0.5437



77.4634, 0.1585, 0.1686

Square

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



77.4634, 0.3700, 0.5437



77.4634, 0.1367, 0.2701



77.4634, 0.2225, 0.1734



77.4634, 0.5271, 0.3295

Rectangle

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



77.4634, 0.3700, 0.5437



77.4634, 0.2060, 0.4444



77.4634, 0.2225, 0.1734



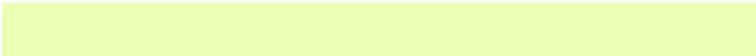
77.4634, 0.4081, 0.2406

Sweetspot

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



77.4668, 0.3700, 0.5437



92.3738, 0.3426, 0.4053



24.4749, 0.6031, 0.3578



19.5696, 0.3468, 0.4171



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.



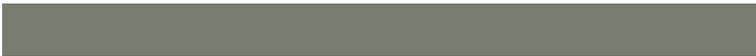
77.4668, 0.3700, 0.5437



81.5943, 0.3693, 0.5449



68.7719, 0.3087, 0.5922



19.9303, 0.3225, 0.3527



41.4556, 0.3702, 0.5442



3.8929, 0.3763, 0.5394

Inverse Universe

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



8.3627, 0.1681, 0.0706



8.5955, 0.1664, 0.0690



18.1278, 0.2625, 0.1224



16.8800, 0.3023, 0.3048



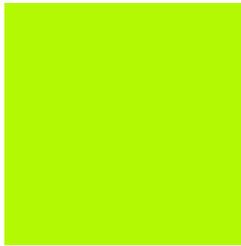
4.4244, 0.1679, 0.0699



0.4607, 0.1800, 0.0765

Previews

White Background



This preview shows how the Yxy color 77.4634, 0.3700, 0.5437 looks on a white background.

Color Contrast Check

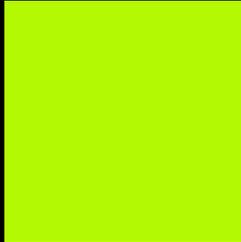
Large Text (above 18pt) WCAG AA × Fail

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 77.4634, 0.3700, 0.5437 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 77.4634, 0.3700, 0.5437

Background



This preview shows how black text looks on a background with the Yxy color 77.4634, 0.3700, 0.5437.



This preview shows how white text looks on a background with the Yxy color 77.4634, 0.3700, 0.5437.

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

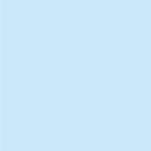
77.4634, 0.3700, 0.5437

Protanopia

76.4372, 0.4332, 0.4778

Deuteranopia

76.6371, 0.3691, 0.3762



Tritanopia

76.7505, 0.2833, 0.3085

Trichromacy



Original Color

77.4634, 0.3700, 0.5437



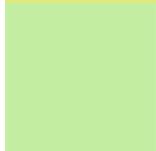
Protanomaly

76.0261, 0.4107, 0.5037



Deuteranomaly

75.4221, 0.3839, 0.4532



Tritanomaly

75.3244, 0.3307, 0.4186

Monochromacy



Original Color

77.4634, 0.3700, 0.5437



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.0652, 0.3535, 0.4369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4634, 0.3700, 0.5437 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, 249, 4)` looks like.

```
.text, #text, p{  
    color:rgb(180, 249, 4)  
}
```

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, 249, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 249, 4) }
```

Border

The CSS property to change the border of an element to Yxy 77.4634, 0.3700, 0.5437 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, 249, 4) }
```

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

```
.border{ border-color:rgb(180, 249, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 249, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 249, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 249, 4);  
box-shadow:4px 4px 4px 4px rgb(180, 249,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4634, 0.3700, 0.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 249, 4) }
```

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

```
.background{ background-color: rgb(180,  
249, 4) }
```

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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