

Converting Colors

$Y_{xy}(75.5965, 0.3661, 0.5475)$

Have a look what the booklet for
Yxy(75.5965, 0.3661, 0.5475)
contains.

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Color

Yxy(75.4058, 0.3664, 0.5472)

Conversions

Conversions Part 1

Format	Color
Hex	ADF700
RGB	173, 247, 0
RGB Percent	68%, 97%, 0%
CMY	0.3217, 0.0313, 0.9981
CMYK	0.30, 0.00, 1.00, 0.03
HSL	78°, 100%, 49%
HSV	78°, 100%, 97%
XYZ	50.4910, 75.4058, 11.9062
YIQ	196.7160, 35.1830, -92.5050

Conversions

Conversions Part 2

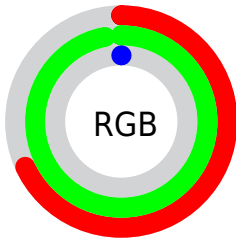
Format	Color
RYB	0, 247, 74
Decimal	11400960
CIELab	89.58, -50.15, 86.40
CIELCh	90, 99.902, 120.134
Yxy	75.4058, 0.3664, 0.5472
Android (android.graphics.Color)	4289591040 (0xFFADF700)
YUV	196.7160, -96.9810, -20.7989
Hunter-Lab	86.8365, -48.1752, 52.6563

Details

The Yxy color **75.4058, 0.3664, 0.5472** 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 **8.2028, 0.1689, 0.0705**, and the grayscale version is **56.2657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7851, 0.3870, 0.4851**, and **40.3376, 0.3502, 0.5601** is the 20% darker color. If you saturate the color by 10%, you get **75.3919, 0.3663, 0.5473**, and if you desaturate by 10%, it is **76.3482, 0.3697, 0.5391**.

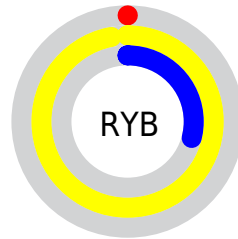
Distribution



Red (68%)

Green (97%)

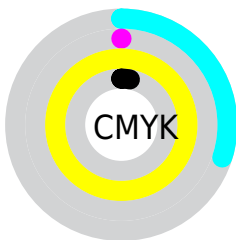
Blue (0%)



Red (0%)

Yellow (97%)

Blue (29%)

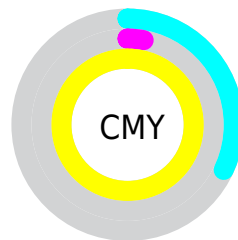


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (32%)


Magenta (3%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4058, 0.3664, 0.5472 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 75.4058, 0.3664, 0.5472 by changing the saturation by 10% instead.


 75.4058, 0.3664,
0.5472

 75.4058, 0.3664,
0.5472

 479.3112, 0.3532,
0.4467


 55.9454, 0.3656,
0.5678


 126.8866, 0.3648,
0.5138

 40.1591, 0.3627,
0.5915


 159.6758, 0.3633,
0.5003


 27.6627, 0.3559,
0.6183


 197.6768, 0.3616,
0.4884

 18.0715, 0.3460,
0.6540

 241.2738, 0.3598,
0.4780

 11.0013, 0.3196,
0.6804

 290.8514, 0.3581,
0.4688

 6.0677, 0.2819,
0.7181

 346.7939, 0.3564,

 2.8863, 0.2246,

0.4606

0.7754

409.4857, 0.3548,
0.4533

■ 1.0727, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.4058, 0.3664,
0.5472

■ 75.4058, 0.3664,
0.5472

■ 75.3919, 0.3663,
0.5473

■ 76.3482, 0.3697,
0.5391

■ 77.4233, 0.3709,
0.5266

■ 78.6616, 0.3695,
0.5091

■ 80.0800, 0.3655,
0.4874

■ 81.6927, 0.3594,
0.4624

■ 83.5124, 0.3515,
0.4354

■ 85.5505, 0.3424,
0.4076

■ 87.8172, 0.3326,
0.3801

■ 90.3223, 0.3225,
0.3536

Harmonies

Analogous

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



75.4058, 0.4631, 0.4880



75.4058, 0.3664, 0.5472



75.4058, 0.2624, 0.5202

Triad

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



75.4058, 0.3664, 0.5472



75.4058, 0.1298, 0.1933



75.4058, 0.4526, 0.2626

Complementary

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



75.4058, 0.3664, 0.5472



8.2028, 0.1689, 0.0705

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.



75.4058, 0.3305, 0.2061



75.4058, 0.3664, 0.5472



75.4058, 0.1587, 0.1667

Square

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



75.4058, 0.3664, 0.5472



75.4058, 0.1342, 0.2656



75.4058, 0.2246, 0.1727



75.4058, 0.5310, 0.3317

Rectangle

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



75.4058, 0.3664, 0.5472



75.4058, 0.2018, 0.4411



75.4058, 0.2246, 0.1727



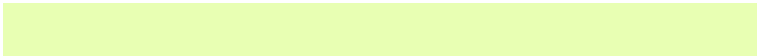
75.4058, 0.4135, 0.2418

Sweetspot

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



75.4091, 0.3664, 0.5472



91.9144, 0.3427, 0.4083



24.7328, 0.5988, 0.3626



19.4697, 0.3466, 0.4201



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.



75.4091, 0.3664, 0.5472



81.0342, 0.3662, 0.5474



67.2012, 0.3061, 0.5950



19.0492, 0.3222, 0.3527



39.9461, 0.3672, 0.5466



3.5642, 0.3739, 0.5413

Inverse Universe

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



8.2028, 0.1689, 0.0705



8.7806, 0.1686, 0.0702



18.6917, 0.2699, 0.1261



16.1679, 0.3026, 0.3049



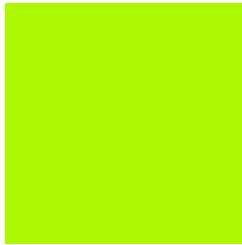
4.3896, 0.1702, 0.0711



0.4371, 0.1833, 0.0783

Previews

White Background



This preview shows how the Yxy color 75.4058, 0.3664, 0.5472 looks on a white background.

Color Contrast Check

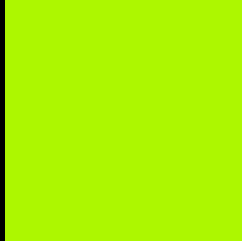
Large Text (above 18pt) WCAG AA × Fail

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 75.4058, 0.3664, 0.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

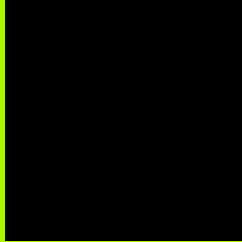
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.4058, 0.3664, 0.5472

Background



This preview shows how black text looks on a background with the Yxy color 75.4058, 0.3664, 0.5472.

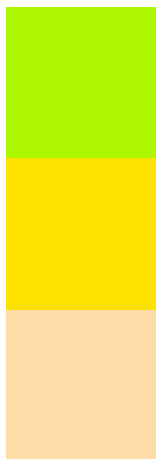


This preview shows how white text looks on a background with the Yxy color 75.4058, 0.3664, 0.5472.

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

75.4058, 0.3664, 0.5472

Protanopia

74.7331, 0.4406, 0.4883

Deuteranopia

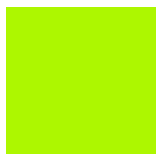
74.7131, 0.3765, 0.3824



Tritanopia

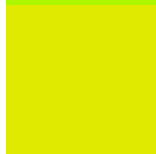
75.2413, 0.2807, 0.3093

Trichromacy



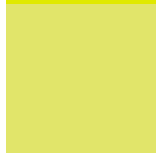
Original Color

75.4058, 0.3664, 0.5472



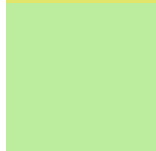
Protanomaly

74.1251, 0.4125, 0.5107



Deuteranomaly

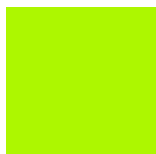
73.0868, 0.3873, 0.4589



Tritanomaly

73.1509, 0.3279, 0.4216

Monochromacy



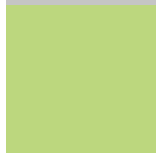
Original Color

75.4058, 0.3664, 0.5472



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

60.7986, 0.3524, 0.4390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4058, 0.3664, 0.5472 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(173, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.4058, 0.3664, 0.5472 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(173, 247, 0) }
```

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

```
.border{ border-color:rgb(173, 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(173, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 247,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4058, 0.3664, 0.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 247, 0) }
```

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

```
.background{ background-color: rgb(173,  
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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