

Converting Colors

$Yxy(77.3825, 0.3662, 0.5475)$

Have a look what the booklet for
Yxy(77.3825, 0.3662, 0.5475)
contains.

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Color

Yxy(77.4852, 0.3663, 0.5473)

Conversions

Conversions Part 1

Format	Color
Hex	AFFA00
RGB	175, 250, 0
RGB Percent	69%, 98%, 0%
CMY	0.3139, 0.0196, 0.9986
CMYK	0.30, 0.00, 1.00, 0.02
HSL	78°, 100%, 49%
HSV	78°, 100%, 98%
XYZ	51.8597, 77.4852, 12.2323
YIQ	199.0750, 35.5500, -93.6500

Conversions

Conversions Part 2

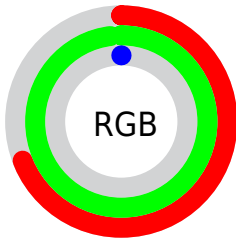
Format	Color
RYB	0, 250, 75
Decimal	11532800
CIELab	90.54, -50.67, 87.19
CIELCh	91, 100.848, 120.163
Yxy	77.4852, 0.3663, 0.5473
Android (android.graphics.Color)	4289722880 (0xFFAFFA00)
YUV	199.0750, -98.1440, -21.1138
Hunter-Lab	88.0257, -48.8829, 53.3789

Details

The Yxy color **77.4852, 0.3663, 0.5473** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.4236, 0.1688, 0.0704**, and the grayscale version is **57.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1432, 0.3880, 0.4836**, and **41.7848, 0.3503, 0.5600** is the 20% darker color. If you saturate the color by 10%, you get **77.4751, 0.3662, 0.5474**, and if you desaturate by 10%, it is **78.4534, 0.3696, 0.5393**.

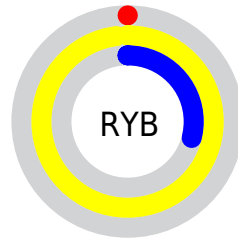
Distribution



Red (69%)

Green (98%)

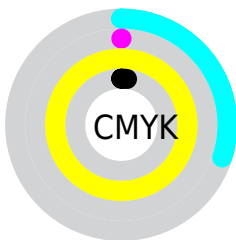
Blue (0%)



Red (0%)

Yellow (98%)

Blue (29%)

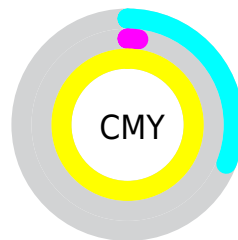


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (31%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4852, 0.3663, 0.5473 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 77.4852, 0.3663, 0.5473 by changing the saturation by 10% instead.


 77.4852, 0.3663,
0.5473

 77.4852, 0.3663,
0.5473


486.4167, 0.3533,
0.4472

 57.6512, 0.3655,
0.5677


 129.8242, 0.3647,
0.5141

 41.5283, 0.3626,
0.5912


 163.0979, 0.3632,
0.5007


 28.7321, 0.3560,
0.6177


 201.6203, 0.3616,
0.4889

 18.8783, 0.3466,
0.6534

 245.7759, 0.3599,
0.4785

 11.5823, 0.3208,
0.6792

 295.9489, 0.3581,
0.4693

 6.4600, 0.2841,
0.7159

 352.5237, 0.3564,

 3.1267, 0.2288,

0.4611

0.7712

415.8849, 0.3548,
0.4538

■ 1.1983, 0.0000,
1.0000

■ 0.0603, 0.0000,
1.0000

■ 77.4852, 0.3663,
0.5473

■ 77.4852, 0.3663,
0.5473

■ 77.4751, 0.3662,
0.5474

■ 78.4534, 0.3696,
0.5393

■ 79.5581, 0.3708,
0.5268

■ 80.8307, 0.3695,
0.5093

■ 82.2884, 0.3656,
0.4876

■ 83.9463, 0.3594,
0.4626

■ 85.8171, 0.3516,
0.4356

■ 87.9126, 0.3425,
0.4078

■ 90.2436, 0.3327,
0.3803

■ 92.8199, 0.3226,
0.3537

Harmonies

Analogous

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



77.4852, 0.4631, 0.4881



77.4852, 0.3663, 0.5473



77.4852, 0.2623, 0.5202

Triad

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



77.4852, 0.3663, 0.5473



77.4852, 0.1298, 0.1933



77.4852, 0.4528, 0.2626

Complementary

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



77.4852, 0.3663, 0.5473



8.4236, 0.1688, 0.0704

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.



77.4852, 0.3306, 0.2062



77.4852, 0.3663, 0.5473



77.4852, 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.



77.4852, 0.3663, 0.5473



77.4852, 0.1342, 0.2655



77.4852, 0.2246, 0.1726



77.4852, 0.5311, 0.3317

Rectangle

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



77.4852, 0.3663, 0.5473



77.4852, 0.2017, 0.4410



77.4852, 0.2246, 0.1726



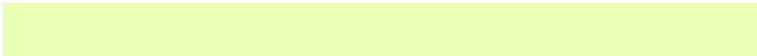
77.4852, 0.4136, 0.2418

Sweetspot

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



77.4886, 0.3663, 0.5473



91.9106, 0.3426, 0.4083



25.3944, 0.5990, 0.3625



19.4687, 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.



77.4886, 0.3663, 0.5473



81.0251, 0.3662, 0.5474



69.0649, 0.3061, 0.5951



19.9135, 0.3222, 0.3528



41.1694, 0.3671, 0.5467



3.8682, 0.3735, 0.5416

Inverse Universe

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



8.4236, 0.1688, 0.0704



8.7837, 0.1686, 0.0702



19.2015, 0.2699, 0.1261



16.8959, 0.3026, 0.3048



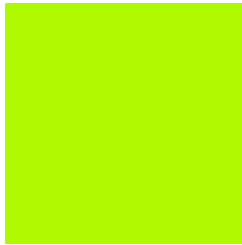
4.5230, 0.1701, 0.0711



0.4716, 0.1825, 0.0779

Previews

White Background



This preview shows how the Yxy color 77.4852, 0.3663, 0.5473 looks on a white background.

Color Contrast Check

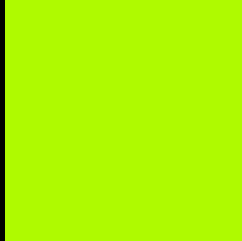
Large Text (above 18pt) WCAG AA × Fail

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 77.4852, 0.3663, 0.5473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

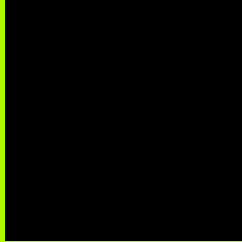
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4852, 0.3663, 0.5473

Background



This preview shows how black text looks on a background with the Yxy color 77.4852, 0.3663, 0.5473.



This preview shows how white text looks on a background with the Yxy color 77.4852, 0.3663, 0.5473.

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

77.4852, 0.3663, 0.5473

Protanopia

76.4285, 0.4335, 0.4782

Deuteranopia

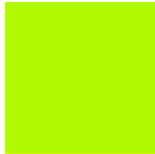
76.6371, 0.3691, 0.3762



Tritanopia

76.8204, 0.2803, 0.3084

Trichromacy



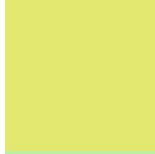
Original Color

77.4852, 0.3663, 0.5473



Protanomaly

75.6897, 0.4095, 0.5054



Deuteranomaly

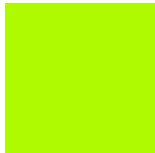
75.0518, 0.3834, 0.4557



Tritanomaly

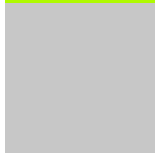
75.2182, 0.3277, 0.4217

Monochromacy



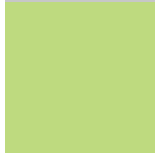
Original Color

77.4852, 0.3663, 0.5473



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.6223, 0.3524, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4852, 0.3663, 0.5473 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(175, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 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(175, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 77.4852, 0.3663, 0.5473 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(175, 250, 0) }
```

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

```
.border{ border-color:rgb(175, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4852, 0.3663, 0.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 0) }
```

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

```
.background{ background-color: rgb(175,  
250, 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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