

Converting Colors

Yxy(68.8532, 0.3624, 0.5481)

Have a look what the booklet for
Yxy(68.8532, 0.3624, 0.5481)
contains.

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Color

Yxy(68.8570, 0.3625, 0.5481)

Conversions

Conversions Part 1

Format	Color
Hex	A2EE0C
RGB	162, 238, 12
RGB Percent	64%, 93%, 5%
CMY	0.3647, 0.0666, 0.9537
CMYK	0.32, 0.00, 0.95, 0.07
HSL	80°, 91%, 49%
HSV	80°, 95%, 93%
XYZ	45.5403, 68.8570, 11.2312
YIQ	189.5120, 27.2500, -86.3980

Conversions

Conversions Part 2

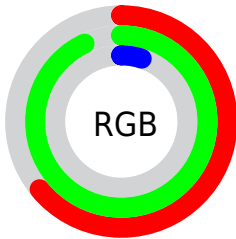
Format	Color
R _Y B	12, 238, 88
Decimal	10677772
CIE Lab	86.43, -50.27, 82.81
CIE LCh	86, 96.877, 121.260
Yxy	68.8570, 0.3625, 0.5481
Android (android.graphics.Color)	4288867852 (0xFFA2EE0C)
YUV	189.5120, -87.5134, -24.1280
Hunter-Lab	82.9801, -47.2526, 50.0613

Details

The Yxy color **68.8570, 0.3625, 0.5481** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **8.4972, 0.1786, 0.0776**, and the grayscale version is **51.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8399, 0.3782, 0.4895**, and **36.2807, 0.3453, 0.5641** is the 20% darker color. If you saturate the color by 10%, you get **68.4250, 0.3605, 0.5520**, and if you desaturate by 10%, it is **69.8233, 0.3654, 0.5375**.

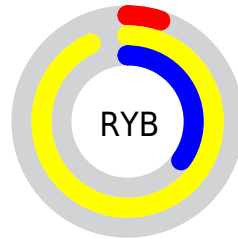
Distribution



Red (64%)

Green (93%)

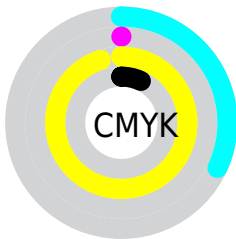
Blue (5%)



Red (5%)

Yellow (93%)

Blue (35%)

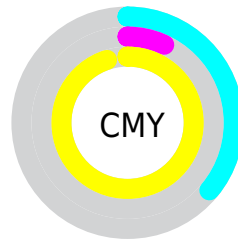


Cyan (32%)

Magenta (0%)

Yellow (95%)

Black (7%)



Cyan (36%)


Magenta (7%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8570, 0.3625, 0.5481 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 68.8570, 0.3625, 0.5481 by changing the saturation by 10% instead.

 68.8570, 0.3625,
0.5481

 68.8570, 0.3625,
0.5481


456.5265, 0.3505,
0.4448


 50.5953, 0.3614,
0.5698


 117.5773, 0.3613,
0.5133


 35.8866, 0.3579,
0.5950


 148.8047, 0.3599,
0.4993


 24.3466, 0.3502,
0.6239


 185.1227, 0.3584,
0.4872

 15.5909, 0.3382,
0.6618

 226.9157, 0.3567,
0.4766

 9.2352, 0.3088,
0.6912

 274.5683, 0.3551,
0.4672

 4.8949, 0.2660,
0.7340

 328.4646, 0.3535,

 2.1857, 0.1868,

0.4589

0.8132

388.9892, 0.3520,
0.4515

■ 0.7122, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8570, 0.3625,
0.5481

■ 68.8570, 0.3625,
0.5481

■ 68.4250, 0.3605,
0.5520

■ 69.8233, 0.3654,
0.5375

■ 70.9369, 0.3659,
0.5218

■ 72.2184, 0.3638,
0.5015

■ 73.6822, 0.3594,
0.4773

■ 75.3408, 0.3530,
0.4506

■ 77.2053, 0.3451,
0.4227

■ 79.2859, 0.3362,
0.3946

■ 81.5921, 0.3269,
0.3673

■ 84.1325, 0.3174,
0.3414

Harmonies

Analogous

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



68.8570, 0.4599, 0.4909



68.8570, 0.3625, 0.5481



68.8570, 0.2587, 0.5167

Triad

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



68.8570, 0.3625, 0.5481



68.8570, 0.1304, 0.1917



68.8570, 0.4567, 0.2650

Complementary

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



68.8570, 0.3625, 0.5481



8.4972, 0.1786, 0.0776

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.



68.8570, 0.3351, 0.2079



68.8570, 0.3625, 0.5481



68.8570, 0.1605, 0.1665

Square

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



68.8570, 0.3625, 0.5481



68.8570, 0.1335, 0.2619



68.8570, 0.2279, 0.1735



68.8570, 0.5323, 0.3344

Rectangle

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



68.8570, 0.3625, 0.5481



68.8570, 0.1989, 0.4357



68.8570, 0.2279, 0.1735



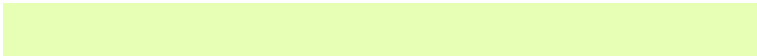
68.8570, 0.4180, 0.2441

Sweetspot

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



68.8600, 0.3625, 0.5481



91.7064, 0.3399, 0.4060



25.0541, 0.5789, 0.3743



19.4088, 0.3437, 0.4180



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.



68.8600, 0.3625, 0.5481



79.9902, 0.3603, 0.5522



61.8442, 0.3059, 0.5925



18.1776, 0.3216, 0.3527



38.2459, 0.3614, 0.5513



3.2360, 0.3691, 0.5451

Inverse Universe

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



8.4972, 0.1786, 0.0776



9.1834, 0.1731, 0.0727



18.7532, 0.2806, 0.1333



15.4868, 0.3032, 0.3050



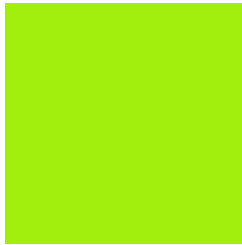
4.4581, 0.1749, 0.0737



0.4234, 0.1892, 0.0816

Previews

White Background



This preview shows how the Yxy color 68.8570, 0.3625, 0.5481 looks on a white background.

Color Contrast Check

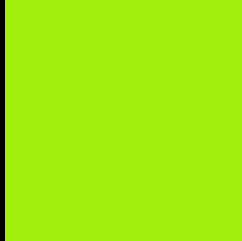
Large Text (above 18pt) WCAG AA × Fail

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 68.8570, 0.3625, 0.5481 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 68.8570, 0.3625, 0.5481

Background



This preview shows how black text looks on a background with the Yxy color 68.8570, 0.3625, 0.5481.



This preview shows how white text looks on a background with the Yxy color 68.8570, 0.3625, 0.5481.

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

68.8570, 0.3625, 0.5481

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

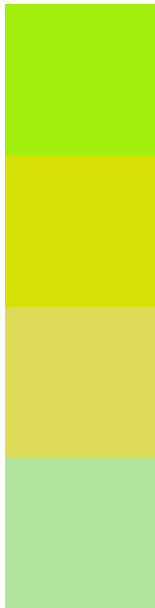
68.0377, 0.4060, 0.4065



Tritanopia

68.3840, 0.2783, 0.3085

Trichromacy



Original Color

68.8570, 0.3625, 0.5481

Protanomaly

67.6162, 0.4112, 0.5110

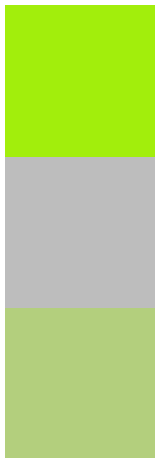
Deuteranomaly

66.7398, 0.3986, 0.4675

Tritanomaly

66.6856, 0.3227, 0.4171

Monochromacy



Original Color

68.8570, 0.3625, 0.5481

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

55.6900, 0.3482, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8570, 0.3625, 0.5481 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(162, 238, 12)` looks like.

```
.text, #text, p{  
    color:rgb(162, 238, 12)  
}
```

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(162, 238, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 238, 12) }
```

Border

The CSS property to change the border of an element to Yxy 68.8570, 0.3625, 0.5481 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(162, 238, 12) }
```

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

```
.border{ border-color:rgb(162, 238, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 238, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 238, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 238, 12);  
box-shadow:4px 4px 4px 4px rgb(162, 238,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8570, 0.3625, 0.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 238, 12) }
```

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

```
.background{ background-color: rgb(162,  
238, 12) }
```

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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