

Converting Colors

Yxy(64.5107, 0.3712, 0.5435)

Have a look what the booklet for
Yxy(64.5107, 0.3712, 0.5435)
contains.

Yxy(64.2541, 0.3716, 0.5432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.2541, 0.3716, 0.5432)

Conversions

Conversions Part 1

Format	Color
Hex	A7E500
RGB	167, 229, 0
RGB Percent	65%, 90%, 0%
CMY	0.3451, 0.1019, 1.0000
CMYK	0.27, 0.00, 1.00, 0.10
HSL	76°, 100%, 45%
HSV	76°, 100%, 90%
XYZ	43.9559, 64.2541, 10.0781
YIQ	184.3560, 36.5570, -84.3630

Conversions

Conversions Part 2

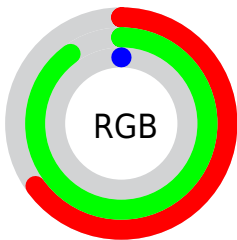
Format	Color
RYB	0, 229, 62
Decimal	11003136
CIELab	84.10, -44.80, 82.11
CIElCh	84, 93.537, 118.614
Yxy	64.2541, 0.3716, 0.5432
Android (android.graphics.Color)	4289193216 (0xFFA7E500)
YUV	184.3560, -90.8875, -15.2212
Hunter-Lab	80.1587, -42.3953, 48.6567

Details

The Yxy color **64.2541, 0.3716, 0.5432** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **6.6814, 0.1656, 0.0686**, and the grayscale version is **48.6409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5722, 0.3832, 0.4901**, and **33.0753, 0.3552, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **64.2575, 0.3716, 0.5432**, and if you desaturate by 10%, it is **65.0105, 0.3743, 0.5354**.

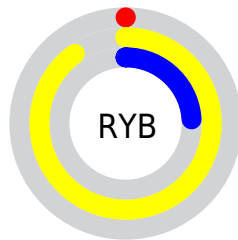
Distribution



Red (65%)

Green (90%)

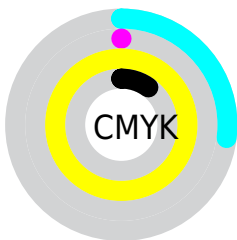
Blue (0%)



Red (0%)

Yellow (90%)

Blue (24%)

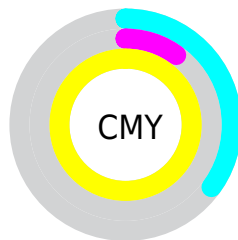


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (35%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2541, 0.3716, 0.5432 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 64.2541, 0.3716, 0.5432 by changing the saturation by 10% instead.


 64.2541, 0.3716,
0.5432

 64.2541, 0.3716,
0.5432


440.1067, 0.3551,
0.4422


 46.8565, 0.3713,
0.5643


 110.9768, 0.3689,
0.5092

 32.9222, 0.3687,
0.5886


 141.0707, 0.3669,
0.4956


 22.0669, 0.3619,
0.6163


 176.1655, 0.3648,
0.4837

 13.9060, 0.3497,
0.6503

 216.6456, 0.3627,
0.4733

 8.0554, 0.3212,
0.6788

 262.8953, 0.3607,
0.4641

 4.1304, 0.2787,
0.7213

 315.2992, 0.3587,

 1.7468, 0.1825,

0.4560

0.8175

374.2415, 0.3568,
0.4487

■ 0.4537, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2541, 0.3716,
0.5432

■ 64.2541, 0.3716,
0.5432

■ 64.2575, 0.3716,
0.5432

■ 65.0105, 0.3743,
0.5354

■ 65.8691, 0.3750,
0.5234

■ 66.8570, 0.3731,
0.5065

■ 67.9881, 0.3686,
0.4855

■ 69.2741, 0.3620,
0.4611

■ 70.7253, 0.3536,
0.4347

■ 72.3510, 0.3440,
0.4074

■ 74.1598, 0.3337,
0.3802

■ 76.1594, 0.3232,
0.3539

Harmonies

Analogous

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



64.2541, 0.4664, 0.4830



64.2541, 0.3716, 0.5432



64.2541, 0.2683, 0.5217

Triad

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



64.2541, 0.3716, 0.5432



64.2541, 0.1308, 0.1972



64.2541, 0.4454, 0.2601

Complementary

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



64.2541, 0.3716, 0.5432



6.6814, 0.1656, 0.0686

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.



64.2541, 0.3243, 0.2050



64.2541, 0.3716, 0.5432



64.2541, 0.1579, 0.1687

Square

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



64.2541, 0.3716, 0.5432



64.2541, 0.1371, 0.2717



64.2541, 0.2212, 0.1731



64.2541, 0.5264, 0.3284

Rectangle

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



64.2541, 0.3716, 0.5432



64.2541, 0.2072, 0.4465



64.2541, 0.2212, 0.1731



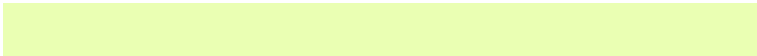
64.2541, 0.4062, 0.2397

Sweetspot

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



64.2575, 0.3716, 0.5432



92.2960, 0.3442, 0.4079



20.0035, 0.6063, 0.3568



19.5612, 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.



64.2575, 0.3716, 0.5432



81.9548, 0.3713, 0.5434



56.8098, 0.3083, 0.5934



16.6107, 0.3226, 0.3525



36.7999, 0.3723, 0.5426



2.7646, 0.3794, 0.5369

Inverse Universe

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



6.6814, 0.1656, 0.0686



8.4865, 0.1652, 0.0684



14.8375, 0.2617, 0.1215



14.0750, 0.3022, 0.3050



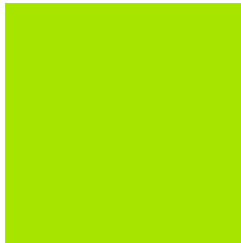
3.8708, 0.1669, 0.0693



0.3308, 0.1820, 0.0776

Previews

White Background



This preview shows how the Yxy color 64.2541, 0.3716, 0.5432 looks on a white background.

Color Contrast Check

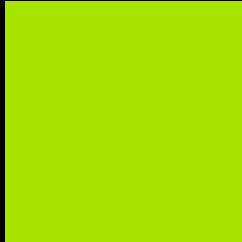
Large Text (above 18pt) WCAG AA × Fail

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 64.2541, 0.3716, 0.5432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

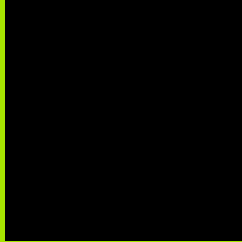
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2541, 0.3716, 0.5432

Background



This preview shows how black text looks on a background with the Yxy color 64.2541, 0.3716, 0.5432.



This preview shows how white text looks on a background with the Yxy color 64.2541, 0.3716, 0.5432.

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

64.2541, 0.3716, 0.5432

Protanopia

63.4338, 0.4413, 0.4878

Deuteranopia

63.4694, 0.4326, 0.4280



Tritanopia

63.9930, 0.2842, 0.3093

Trichromacy



Original Color

64.2541, 0.3716, 0.5432

Protanomaly

62.9606, 0.4153, 0.5085

Deuteranomaly

62.6354, 0.4164, 0.4775

Tritanomaly

62.4417, 0.3324, 0.4207

Monochromacy



Original Color

64.2541, 0.3716, 0.5432

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

52.0579, 0.3550, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2541, 0.3716, 0.5432 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(167, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 229, 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(167, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.2541, 0.3716, 0.5432 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(167, 229, 0) }
```

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

```
.border{ border-color:rgb(167, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 229,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2541, 0.3716, 0.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 229, 0) }
```

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

```
.background{ background-color: rgb(167,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor