

Converting Colors

$Y_{xy}(64.0590, 0.3652, 0.5337)$

Have a look what the booklet for
Yxy(64.0590, 0.3652, 0.5337)
contains.

Yxy(64.1981, 0.3652, 0.5336)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.1981, 0.3652, 0.5336)

Conversions

Conversions Part 1

Format	Color
Hex	A5E529
RGB	165, 229, 41
RGB Percent	65%, 90%, 16%
CMY	0.3529, 0.1019, 0.8391
CMYK	0.28, 0.00, 0.82, 0.10
HSL	80°, 78%, 53%
HSV	80°, 82%, 90%
XYZ	43.9377, 64.1981, 12.1755
YIQ	188.4320, 22.2040, -72.0360

Conversions

Conversions Part 2

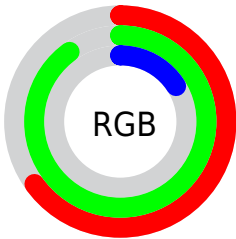
Format	Color
R_YB	41, 229, 105
Decimal	10872105
CIE Lab	84.07, -44.72, 76.18
CIE LCh	84, 88.336, 120.417
Yxy	64.1981, 0.3652, 0.5336
Android (android.graphics.Color)	4289062185 (0xFFA5E529)
YUV	188.4320, -72.6840, -20.5499
Hunter-Lab	80.1237, -42.3319, 47.0770

Details

The Yxy color **64.1981, 0.3652, 0.5336** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **10.2505, 0.1959, 0.0967**, and the grayscale version is **50.9646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3872, 0.3748, 0.4798**, and **33.0129, 0.3543, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **63.2739, 0.3630, 0.5458**, and if you desaturate by 10%, it is **65.2718, 0.3649, 0.5163**.

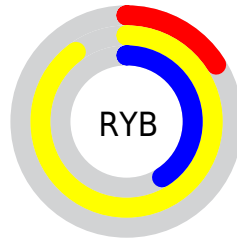
Distribution



Red (65%)

Green (90%)

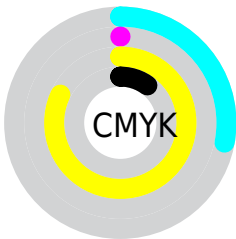
Blue (16%)



Red (16%)

Yellow (90%)

Blue (41%)

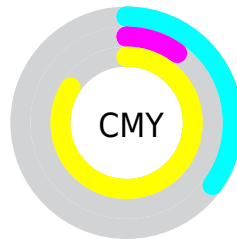


Cyan (28%)

Magenta (0%)

Yellow (82%)

Black (10%)



Cyan (35%)


Magenta (10%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1981, 0.3652, 0.5336 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 64.1981, 0.3652, 0.5336 by changing the saturation by 10% instead.

 64.1981, 0.3652,
0.5336


 64.1981, 0.3652,
0.5336


439.9047, 0.3499,
0.4356


 46.8111, 0.3653,
0.5548

 110.8962, 0.3624,
0.5001


 32.8864, 0.3634,
0.5798


 140.9761, 0.3606,
0.4868


 22.0394, 0.3578,
0.6088


 176.0558, 0.3586,
0.4753

 13.8859, 0.3499,
0.6501

 216.5196, 0.3567,
0.4653

 8.0413, 0.3214,
0.6786

 262.7521, 0.3549,
0.4565

 4.1214, 0.2789,
0.7211

 315.1374, 0.3531,

 1.7417, 0.1824,

0.4487

0.8176

374.0602, 0.3514,
0.4418

■ 0.4504, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1981, 0.3652,
0.5336

■ 64.1981, 0.3652,
0.5336

■ 63.2739, 0.3630,
0.5458

■ 65.2718, 0.3649,
0.5163

■ 62.6234, 0.3599,
0.5525


■ 66.5015, 0.3622,
0.4946

■ 67.9024, 0.3572,
0.4695


■ 69.4857, 0.3504,
0.4423

 71.2612, 0.3423,
0.4142

 73.2379, 0.3333,
0.3863

 75.4243, 0.3240,
0.3594

 77.8282, 0.3146,
0.3341

 80.4569, 0.3055,
0.3106

Harmonies

Analogous

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



64.1981, 0.4565, 0.4824



64.1981, 0.3652, 0.5336



64.1981, 0.2662, 0.5045

Triad

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



64.1981, 0.3652, 0.5336



64.1981, 0.1387, 0.2009



64.1981, 0.4446, 0.2675

Complementary

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



64.1981, 0.3652, 0.5336



10.2505, 0.1959, 0.0967

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.



64.1981, 0.3310, 0.2130



64.1981, 0.3652, 0.5336



64.1981, 0.1670, 0.1749

Square

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



64.1981, 0.3652, 0.5336



64.1981, 0.1432, 0.2699



64.1981, 0.2307, 0.1805



64.1981, 0.5177, 0.3344

Rectangle

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



64.1981, 0.3652, 0.5336



64.1981, 0.2085, 0.4317



64.1981, 0.2307, 0.1805



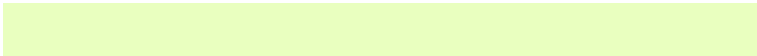
64.1981, 0.4083, 0.2474

Sweetspot

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



64.2009, 0.3652, 0.5336



92.6659, 0.3361, 0.3948



26.6571, 0.5411, 0.3833



19.6432, 0.3393, 0.4047



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.



64.2009, 0.3652, 0.5336



80.0678, 0.3604, 0.5512



57.5927, 0.3103, 0.5743



16.5587, 0.3215, 0.3526



35.8725, 0.3608, 0.5518



2.7016, 0.3694, 0.5449

Inverse Universe

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



10.2505, 0.1959, 0.0967



9.5136, 0.1757, 0.0748



19.2071, 0.2864, 0.1442



14.1244, 0.3033, 0.3051



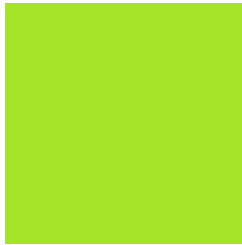
4.2194, 0.1757, 0.0742



0.3616, 0.1918, 0.0830

Previews

White Background



This preview shows how the Yxy color 64.1981, 0.3652, 0.5336 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 64.1981, 0.3652, 0.5336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

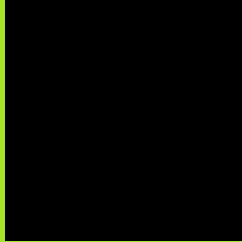
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1981, 0.3652, 0.5336

Background



This preview shows how black text looks on a background with the Yxy color 64.1981, 0.3652, 0.5336.



This preview shows how white text looks on a background with the Yxy color 64.1981, 0.3652, 0.5336.

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

64.1981, 0.3652, 0.5336

Protanopia

63.3905, 0.4358, 0.4815

Deuteranopia

63.4887, 0.4320, 0.4272



Tritanopia

63.7408, 0.2829, 0.3092

Trichromacy



Original Color

64.1981, 0.3652, 0.5336

Protanomaly

62.9533, 0.4096, 0.5008

Deuteranomaly

62.6826, 0.4088, 0.4674

Tritanomaly

62.7012, 0.3213, 0.4019

Monochromacy



Original Color

64.1981, 0.3652, 0.5336

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

54.1644, 0.3434, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1981, 0.3652, 0.5336 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(165, 229, 41)` looks like.

```
.text, #text, p{  
    color:rgb(165, 229, 41)  
}
```

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(165, 229, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 229, 41) }
```

Border

The CSS property to change the border of an element to Yxy 64.1981, 0.3652, 0.5336 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(165, 229, 41) }
```

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

```
.border{ border-color:rgb(165, 229, 41) }
```

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

Here you see how a box with a 4 pixel rgb(165, 229, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 229, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 229, 41);  
box-shadow:4px 4px 4px 4px rgb(165, 229,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1981, 0.3652, 0.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 229, 41) }
```

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

```
.background{ background-color: rgb(165,  
229, 41) }
```

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