

Converting Colors

$Yxy(65.1793, 0.3588, 0.5389)$

Have a look what the booklet for
Yxy(65.1793, 0.3588, 0.5389)
contains.

Yxy(65.1424, 0.3587, 0.5389)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.1424, 0.3587, 0.5389)

Conversions

Conversions Part 1

Format	Color
Hex	9EE829
RGB	158, 232, 41
RGB Percent	62%, 91%, 16%
CMY	0.3803, 0.0902, 0.8395
CMYK	0.32, 0.00, 0.82, 0.09
HSL	83°, 81%, 54%
HSV	83°, 82%, 91%
XYZ	43.3598, 65.1424, 12.3781
YIQ	188.1000, 17.2070, -75.0890

Conversions

Conversions Part 2

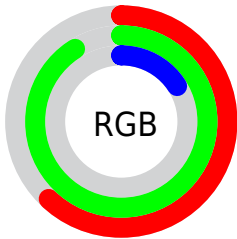
Format	Color
RYB	41, 232, 115
Decimal	10414121
CIELab	84.56, -48.53, 76.49
CIELCh	85, 90.585, 122.395
Yxy	65.1424, 0.3587, 0.5389
Android (android.graphics.Color)	4288604201 (0xFF9EE829)
YUV	188.1000, -72.5203, -26.3977
Hunter-Lab	80.7108, -45.3496, 47.4046

Details

The Yxy color **65.1424, 0.3587, 0.5389** 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 **11.0447, 0.2024, 0.0997**, and the grayscale version is **50.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2916, 0.3700, 0.4825**, and **33.7033, 0.3457, 0.5637** is the 20% darker color. If you saturate the color by 10%, you get **64.1505, 0.3557, 0.5517**, and if you desaturate by 10%, it is **66.3019, 0.3592, 0.5209**.

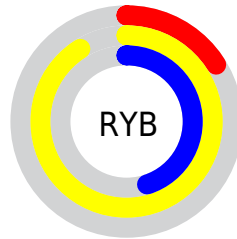
Distribution



Red (62%)

Green (91%)

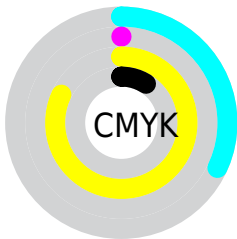
Blue (16%)



Red (16%)

Yellow (91%)

Blue (45%)

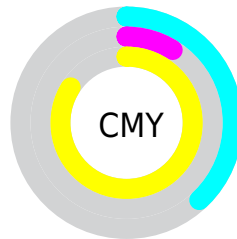


Cyan (32%)

Magenta (0%)

Yellow (82%)

Black (9%)



Cyan (38%)


Magenta (9%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1424, 0.3587, 0.5389 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 65.1424, 0.3587, 0.5389 by changing the saturation by 10% instead.

 65.1424, 0.3587,
0.5389

 65.1424, 0.3587,
0.5389

443.3035, 0.3467,
0.4379


 47.5766, 0.3580,
0.5609

 112.2546, 0.3571,
0.5042


 33.4917, 0.3551,
0.5869


 142.5697, 0.3557,
0.4906


 22.5034, 0.3483,
0.6173


 177.9033, 0.3542,
0.4787

 14.2272, 0.3386,
0.6603

 218.6399, 0.3526,
0.4684

 8.2789, 0.3086,
0.6914

 265.1638, 0.3511,
0.4594

 4.2739, 0.2638,
0.7362

317.8595, 0.3495,

 1.8279, 0.1595,

0.4514

0.8405

377.1112, 0.3481,
0.4443

■ 0.5045, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1424, 0.3587,
0.5389

■ 65.1424, 0.3587,
0.5389

■ 64.1505, 0.3557,
0.5517


■ 66.3019, 0.3592,
0.5209


■ 63.4810, 0.3523,
0.5585

■ 67.6363, 0.3573,
0.4984


■ 69.1619, 0.3532,
0.4725

■ 70.8907, 0.3472,
0.4445

 72.8331, 0.3400,
0.4158

 74.9991, 0.3318,
0.3875

 77.3976, 0.3233,
0.3603

 80.0371, 0.3147,
0.3347

 82.9257, 0.3063,
0.3112

Harmonies

Analogous

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



65.1424, 0.4528, 0.4891



65.1424, 0.3587, 0.5389



65.1424, 0.2586, 0.5030

Triad

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



65.1424, 0.3587, 0.5389



65.1424, 0.1370, 0.1957



65.1424, 0.4540, 0.2704

Complementary

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



65.1424, 0.3587, 0.5389



11.0447, 0.2024, 0.0997

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.



65.1424, 0.3389, 0.2142



65.1424, 0.3587, 0.5389



65.1424, 0.1678, 0.1720

Square

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



65.1424, 0.3587, 0.5389



65.1424, 0.1392, 0.2622



65.1424, 0.2348, 0.1797



65.1424, 0.5239, 0.3385

Rectangle

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



65.1424, 0.3587, 0.5389



65.1424, 0.2014, 0.4252



65.1424, 0.2348, 0.1797



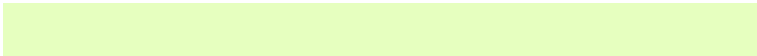
65.1424, 0.4177, 0.2498

Sweetspot

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



65.1453, 0.3587, 0.5389



92.1684, 0.3341, 0.3952



29.3884, 0.5311, 0.3930



19.5240, 0.3370, 0.4052



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.



65.1453, 0.3587, 0.5389



78.7202, 0.3525, 0.5579



58.9375, 0.3068, 0.5774



16.5241, 0.3208, 0.3526



35.3163, 0.3533, 0.5577



2.6629, 0.3629, 0.5501

Inverse Universe

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



11.0447, 0.2024, 0.0997



10.0011, 0.1816, 0.0777



21.0657, 0.2966, 0.1493



14.1578, 0.3041, 0.3051



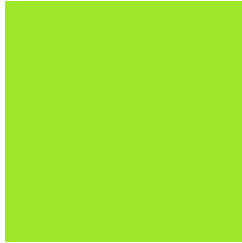
4.5036, 0.1827, 0.0780



0.3851, 0.1990, 0.0870

Previews

White Background



This preview shows how the Yxy color 65.1424, 0.3587, 0.5389 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 65.1424, 0.3587, 0.5389 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 65.1424, 0.3587, 0.5389

Background



This preview shows how black text looks on a background with the Yxy color 65.1424, 0.3587, 0.5389.

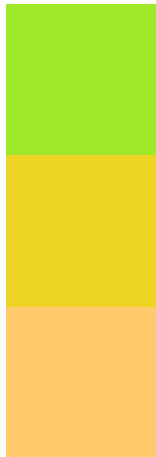


This preview shows how white text looks on a background with the Yxy color 65.1424, 0.3587, 0.5389.

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

65.1424, 0.3587, 0.5389

Protanopia

64.7144, 0.4360, 0.4821

Deuteranopia

64.1160, 0.4263, 0.4216



Tritanopia

64.8187, 0.2782, 0.3092

Trichromacy



Original Color

65.1424, 0.3587, 0.5389



Protanomaly

64.2065, 0.4059, 0.5044



Deuteranomaly

62.9427, 0.4041, 0.4654



Tritanomaly

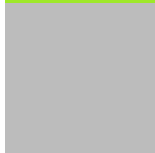
63.7711, 0.3161, 0.4035

Monochromacy



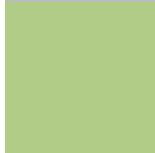
Original Color

65.1424, 0.3587, 0.5389



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.2821, 0.3406, 0.4193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1424, 0.3587, 0.5389 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(158, 232, 41)` looks like.

```
.text, #text, p{  
    color:rgb(158, 232, 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(158, 232, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 232, 41) }
```

Border

The CSS property to change the border of an element to Yxy 65.1424, 0.3587, 0.5389 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(158, 232, 41) }
```

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

```
.border{ border-color:rgb(158, 232, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 232, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 232, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 232, 41);  
box-shadow:4px 4px 4px 4px rgb(158, 232,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1424, 0.3587, 0.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 232, 41) }
```

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

```
.background{ background-color: rgb(158,  
232, 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