

Converting Colors

Yxy(36.5342, 0.4049, 0.5109)

Have a look what the booklet for
Yxy(36.5342, 0.4049, 0.5109)
contains.

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Color

Yxy(36.5342, 0.4049, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	9FAB10
RGB	159, 171, 16
RGB Percent	62%, 67%, 6%
CMY	0.3765, 0.3294, 0.9367
CMYK	0.07, 0.00, 0.91, 0.33
HSL	65°, 83%, 37%
HSV	65°, 91%, 67%
XYZ	28.9542, 36.5342, 6.0211
YIQ	149.7420, 42.6030, -50.7490

Conversions

Conversions Part 2

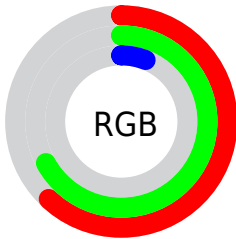
Format	Color
RYB	16, 171, 28
Decimal	10464016
CIELab	66.93, -21.01, 66.78
CIELCh	67, 70.007, 107.465
Yxy	36.5342, 0.4049, 0.5109
Android (android.graphics.Color)	4288654096 (0xFF9FAB10)
YUV	149.7420, -65.9348, 8.1193
Hunter-Lab	60.4435, -20.2695, 36.4043

Details

The Yxy color **36.5342, 0.4049, 0.5109** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.5644, 0.1592, 0.0707**, and the grayscale version is **30.6626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7536, 0.3940, 0.4794**, and **16.0772, 0.3967, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **36.3707, 0.4059, 0.5159**, and if you desaturate by 10%, it is **36.7456, 0.4020, 0.5023**.

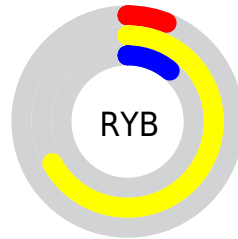
Distribution



Red (62%)

Green (67%)

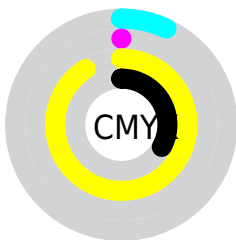
Blue (6%)



Red (6%)

Yellow (67%)

Blue (11%)

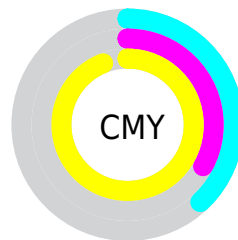


Cyan (7%)

Magenta (0%)

Yellow (91%)

Black (33%)



Cyan (38%)


Magenta (33%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5342, 0.4049, 0.5109 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 36.5342, 0.4049, 0.5109 by changing the saturation by 10% instead.


 36.5342, 0.4049,
0.5109


 36.5342, 0.4049,
0.5109


331.2894, 0.3663,
0.4200


 24.8470, 0.4098,
0.5306


 69.8558, 0.3939,
0.4794

 15.9631, 0.4127,
0.5531


 92.2590, 0.3888,
0.4670

 9.4981, 0.4157,
0.5843

 119.0031, 0.3841,
0.4563

 5.0675, 0.3983,
0.6017

 150.4724, 0.3798,
0.4470

 2.2869, 0.3702,
0.6298

 187.0512, 0.3759,
0.4389

 0.7668, 0.2197,
0.7803

 229.1241, 0.3724,

 0.0000, 0.0000,

0.4318

0.0000

277.0754, 0.3692,
0.4255

■ 36.5342, 0.4049,
0.5109

■ 36.5342, 0.4049,
0.5109

■ 36.3707, 0.4059,
0.5159

■ 36.7456, 0.4020,
0.5023

■ 37.0055, 0.3965,
0.4895

■ 37.3221, 0.3886,
0.4726

■ 37.7009, 0.3785,
0.4522

■ 38.1468, 0.3668,
0.4293

■ 38.6640, 0.3539,
0.4048

■ 39.2566, 0.3404,
0.3796

■ 39.9282, 0.3268,
0.3546

■ 40.6823, 0.3135,
0.3303

Harmonies

Analogous

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



36.5342, 0.4825, 0.4481



36.5342, 0.4049, 0.5109



36.5342, 0.3099, 0.5204

Triad

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



36.5342, 0.4049, 0.5109



36.5342, 0.1422, 0.2291



36.5342, 0.3937, 0.2451

Complementary

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



36.5342, 0.4049, 0.5109



3.5644, 0.1592, 0.0707

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.



36.5342, 0.2853, 0.2003



36.5342, 0.4049, 0.5109



36.5342, 0.1560, 0.1869

Square

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



36.5342, 0.4049, 0.5109



36.5342, 0.1620, 0.3171



36.5342, 0.2027, 0.1797



36.5342, 0.4867, 0.3063

Rectangle

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



36.5342, 0.4049, 0.5109



36.5342, 0.2480, 0.4748



36.5342, 0.2027, 0.1797



36.5342, 0.3566, 0.2278

Sweetspot

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



36.5359, 0.4049, 0.5109



69.5526, 0.3498, 0.3970



9.4560, 0.6138, 0.3361



15.4360, 0.3542, 0.4053



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5359, 0.4049, 0.5109



65.0908, 0.4056, 0.5161



31.0162, 0.3331, 0.5661



9.2981, 0.3251, 0.3515



27.4265, 0.4060, 0.5158



0.7721, 0.4103, 0.5124

Inverse Universe

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



3.5644, 0.1592, 0.0707



5.3870, 0.1521, 0.0611



6.2523, 0.2261, 0.1068



7.7858, 0.2997, 0.3056



2.2924, 0.1530, 0.0617



0.0732, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 36.5342, 0.4049, 0.5109 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 36.5342, 0.4049, 0.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

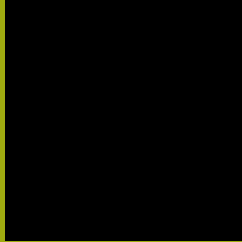
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5342, 0.4049, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 36.5342, 0.4049, 0.5109.



This preview shows how white text looks on a background with the Yxy color 36.5342, 0.4049, 0.5109.

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

36.5342, 0.4049, 0.5109

Protanopia

36.2882, 0.4382, 0.4864

Deuteranopia

36.1893, 0.4651, 0.4552



Tritanopia

36.3945, 0.3135, 0.3122

Trichromacy



Original Color

36.5342, 0.4049, 0.5109

Protanomaly

36.3028, 0.4255, 0.4956

Deuteranomaly

35.9076, 0.4434, 0.4753

Tritanomaly

35.6477, 0.3602, 0.3997

Monochromacy



Original Color

36.5342, 0.4049, 0.5109

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1656, 0.3602, 0.4181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5342, 0.4049, 0.5109 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(159, 171, 16)` looks like.

```
.text, #text, p{  
    color:rgb(159, 171, 16)  
}
```

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(159, 171, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 171, 16) }
```

Border

The CSS property to change the border of an element to Yxy 36.5342, 0.4049, 0.5109 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(159, 171, 16) }
```

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

```
.border{ border-color:rgb(159, 171, 16) }
```

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

Here you see how a box with a 4 pixel rgb(159, 171, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 171, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 171, 16);  
box-shadow:4px 4px 4px 4px rgb(159, 171,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5342, 0.4049, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 171, 16) }
```

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

```
.background{ background-color: rgb(159,  
171, 16) }
```

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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