

Converting Colors

$Y_{xy}(36.9286, 0.4232, 0.4611)$

Have a look what the booklet for
Yxy(36.9286, 0.4232, 0.4611)
contains.

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Color

Yxy(36.8041, 0.4239, 0.4610)

Conversions

Conversions Part 1

Format	Color
Hex	B9A339
RGB	185, 163, 57
RGB Percent	73%, 64%, 22%
CMY	0.2745, 0.3608, 0.7765
CMYK	0.00, 0.12, 0.69, 0.27
HSL	50°, 53%, 47%
HSV	50°, 69%, 73%
XYZ	33.8422, 36.8041, 9.1890
YIQ	157.4940, 47.1380, -28.3020

Conversions

Conversions Part 2

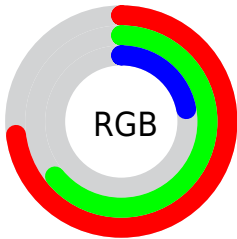
Format	Color
RYB	84, 185, 57
Decimal	12165945
CIELab	67.13, -3.93, 55.60
CIElCh	67, 55.739, 94.045
Yxy	36.8041, 0.4239, 0.4610
Android (android.graphics.Color)	4290356025 (0xFFB9A339)
YUV	157.4940, -49.5435, 24.1228
Hunter-Lab	60.6664, -6.5915, 33.4859

Details

The Yxy color **36.8041, 0.4239, 0.4610** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9605, 0.1882, 0.1416**, and the grayscale version is **34.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5017, 0.4059, 0.4389**, and **16.1775, 0.4424, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **35.5393, 0.4361, 0.4711**, and if you desaturate by 10%, it is **38.1680, 0.4094, 0.4469**.

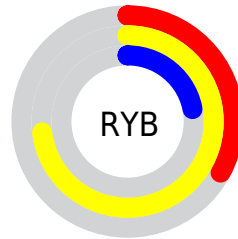
Distribution



Red (73%)

Green (64%)

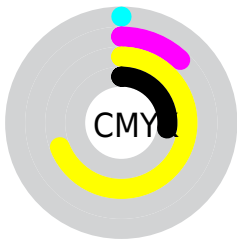
Blue (22%)



Red (33%)

Yellow (73%)

Blue (22%)

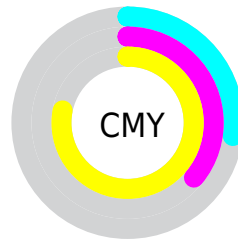


Cyan (0%)

Magenta (12%)

Yellow (69%)

Black (27%)



Cyan (27%)

Magenta (36%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8041, 0.4239, 0.4610 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 36.8041, 0.4239, 0.4610 by changing the saturation by 10% instead.

36.8041, 0.4239,
0.4610

36.8041, 0.4239,
0.4610

332.4616, 0.3709,
0.3965

25.0559, 0.4347,
0.4749

70.2714, 0.4061,
0.4388

16.1187, 0.4466,
0.4908

92.7592, 0.3989,
0.4300

9.6082, 0.4595,
0.5093

119.5957, 0.3926,
0.4224

5.1399, 0.4713,
0.5287

151.1652, 0.3872,
0.4158

2.3296, 0.4664,
0.5336

187.8522, 0.3823,
0.4101

0.7893, 0.4532,
0.5468

230.0410, 0.3781,

0.0000, 0.0000,

0.4050

0.0000

278.1160, 0.3743,
0.4005

■ 36.8041, 0.4239,
0.4610

■ 36.8041, 0.4239,
0.4610

■ 35.5393, 0.4361,
0.4711

■ 38.1680, 0.4094,
0.4469

■ 34.3604, 0.4457,
0.4766

■ 39.6326, 0.3933,
0.4297

■ 33.2549, 0.4527,
0.4782

■ 41.2055, 0.3764,
0.4102

■ 33.1676, 0.4533,
0.4783

■ 42.8921, 0.3593,
0.3895

■ 44.6975, 0.3426,
0.3684

■ 46.6261, 0.3266,
0.3475

■ 48.6825, 0.3115,
0.3274

■ 50.8705, 0.2977,
0.3084

■ 53.1941, 0.2850,
0.2906

Harmonies

Analogous

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



36.8041, 0.4712, 0.4069



36.8041, 0.4239, 0.4610



36.8041, 0.3507, 0.4849

Triad

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



36.8041, 0.4239, 0.4610



36.8041, 0.1748, 0.2782



36.8041, 0.3390, 0.2408

Complementary

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



36.8041, 0.4239, 0.4610



9.9605, 0.1882, 0.1416

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.



36.8041, 0.2577, 0.2111



36.8041, 0.4239, 0.4610



36.8041, 0.1730, 0.2249

Square

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



36.8041, 0.4239, 0.4610



36.8041, 0.2081, 0.3631



36.8041, 0.2007, 0.2044



36.8041, 0.4226, 0.2885

Rectangle

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



36.8041, 0.4239, 0.4610



36.8041, 0.2973, 0.4684



36.8041, 0.2007, 0.2044



36.8041, 0.3101, 0.2286

Sweetspot

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



36.8059, 0.4239, 0.4610



79.3445, 0.3461, 0.3729



13.8247, 0.4997, 0.3012



16.9125, 0.3507, 0.3787



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.8059, 0.4239, 0.4610



62.5458, 0.4414, 0.4745



40.9619, 0.3670, 0.5067



10.2337, 0.3268, 0.3478



22.6791, 0.4528, 0.4787



0.8696, 0.4428, 0.4866

Inverse Universe

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



9.9605, 0.1882, 0.1416



11.7615, 0.1671, 0.1029



8.9978, 0.2140, 0.1267



8.9622, 0.2984, 0.3095



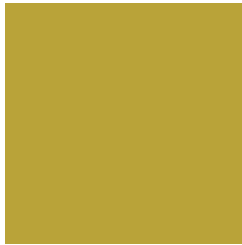
3.1561, 0.1547, 0.0769



0.1887, 0.1666, 0.1198

Previews

White Background



This preview shows how the Yxy color 36.8041, 0.4239, 0.4610 looks on a white background.

Color Contrast Check

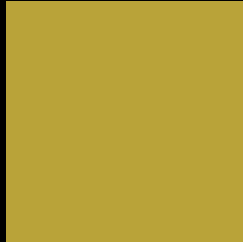
Large Text (above 18pt) WCAG AA × Fail

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 36.8041, 0.4239, 0.4610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

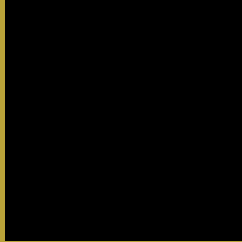
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8041, 0.4239, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 36.8041, 0.4239, 0.4610.



This preview shows how white text looks on a background with the Yxy color 36.8041, 0.4239, 0.4610.

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

36.8041, 0.4239, 0.4610

Protanopia

36.9136, 0.4209, 0.4632

Deuteranopia

36.6063, 0.4488, 0.4389



Tritanopia

36.9321, 0.3436, 0.3146

Trichromacy



Original Color

36.8041, 0.4239, 0.4610

Protanomaly

37.0367, 0.4220, 0.4626

Deuteranomaly

36.6398, 0.4396, 0.4469

Tritanomaly

36.6710, 0.3784, 0.3725

Monochromacy



Original Color

36.8041, 0.4239, 0.4610

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3922, 0.3562, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8041, 0.4239, 0.4610 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(185, 163, 57)` looks like.

```
.text, #text, p{  
    color:rgb(185, 163, 57)  
}
```

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(185, 163, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 163, 57) }
```

Border

The CSS property to change the border of an element to Yxy 36.8041, 0.4239, 0.4610 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(185, 163, 57) }
```

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

```
.border{ border-color:rgb(185, 163, 57) }
```

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

Here you see how a box with a 4 pixel rgb(185, 163, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 163, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 163, 57);  
box-shadow:4px 4px 4px 4px rgb(185, 163,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8041, 0.4239, 0.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 163, 57) }
```

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

```
.background{ background-color: rgb(185,  
163, 57) }
```

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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