

Converting Colors

$Yxy(38.2933, 0.4089, 0.4806)$

Have a look what the booklet for
Yxy(38.2933, 0.4089, 0.4806)
contains.

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Color

Yxy(38.3635, 0.4087, 0.4808)

Conversions

Conversions Part 1

Format	Color
Hex	AEAB33
RGB	174, 171, 51
RGB Percent	68%, 67%, 20%
CMY	0.3178, 0.3294, 0.8000
CMYK	0.00, 0.02, 0.71, 0.32
HSL	59°, 55%, 44%
HSV	59°, 71%, 68%
XYZ	32.6106, 38.3635, 8.8169
YIQ	158.2170, 40.3080, -36.6840

Conversions

Conversions Part 2

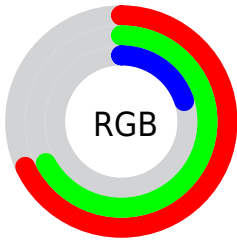
Format	Color
RYB	54, 174, 51
Decimal	11447091
CIELab	68.29, -13.28, 58.80
CIELCh	68, 60.277, 102.723
Yxy	38.3635, 0.4087, 0.4808
Android (android.graphics.Color)	4289637171 (0xFFAEAB33)
YUV	158.2170, -52.8580, 13.8417
Hunter-Lab	61.9383, -14.4115, 34.9169

Details

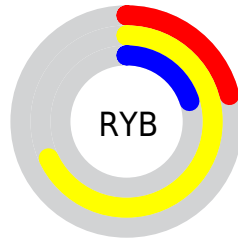
The Yxy color **38.3635, 0.4087, 0.4808** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3918, 0.1797, 0.1113**, and the grayscale version is **34.5255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5684, 0.3948, 0.4546**, and **17.0452, 0.4179, 0.5064** is the 20% darker color. If you saturate the color by 10%, you get **38.0819, 0.4161, 0.4918**, and if you desaturate by 10%, it is **38.7066, 0.3988, 0.4657**.

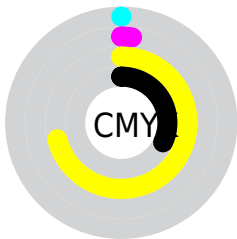
Distribution



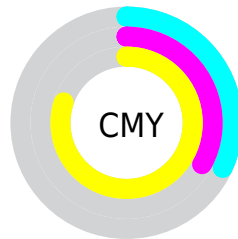
- Red (68%)
- Green (67%)
- Blue (20%)



- Red (21%)
- Yellow (68%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3635, 0.4087, 0.4808 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 38.3635, 0.4087, 0.4808 by changing the saturation by 10% instead.


 38.3635, 0.4087,
0.4808


 38.3635, 0.4087,
0.4808


339.1767, 0.3651,
0.4053

 26.2649, 0.4166,
0.4977


 72.6649, 0.3948,
0.4544


 17.0219, 0.4244,
0.5173


 95.6366, 0.3889,
0.4441

 10.2501, 0.4319,
0.5414


 123.0014, 0.3837,
0.4352

 5.5651, 0.4336,
0.5664

 155.1438, 0.3791,
0.4276

 2.5825, 0.4175,
0.5825

 192.4481, 0.3750,
0.4209

 0.9179, 0.3738,
0.6262

 235.2988, 0.3713,

 0.0000, 0.0000,

0.4151

0.0000

284.0802, 0.3681,
0.4099

■ 38.3635, 0.4087,
0.4808

■ 38.3635, 0.4087,
0.4808

■ 38.0819, 0.4161,
0.4918

■ 38.7066, 0.3988,
0.4657

■ 37.8496, 0.4209,
0.4985

■ 39.1115, 0.3869,
0.4471

■ 37.6658, 0.4235,
0.5019

■ 39.5851, 0.3733,
0.4257

■ 40.1319, 0.3586,
0.4025

■ 40.7561, 0.3435,
0.3784

■ 41.4616, 0.3284,
0.3542

■ 42.2518, 0.3137,
0.3306

■ 43.1302, 0.2997,
0.3080

■ 44.0999, 0.2866,
0.2868

Harmonies

Analogous

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



38.3635, 0.4697, 0.4277



38.3635, 0.4087, 0.4808



38.3635, 0.3272, 0.4925

Triad

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



38.3635, 0.4087, 0.4808



38.3635, 0.1636, 0.2542



38.3635, 0.3675, 0.2487

Complementary

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



38.3635, 0.4087, 0.4808



6.3918, 0.1797, 0.1113

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.



38.3635, 0.2769, 0.2115



38.3635, 0.4087, 0.4808



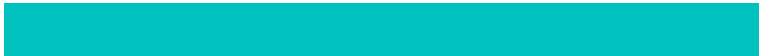
38.3635, 0.1709, 0.2092

Square

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



38.3635, 0.4087, 0.4808



38.3635, 0.1881, 0.3361



38.3635, 0.2085, 0.1970



38.3635, 0.4507, 0.3023

Rectangle

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



38.3635, 0.4087, 0.4808



38.3635, 0.2717, 0.4614



38.3635, 0.2085, 0.1970



38.3635, 0.3362, 0.2341

Sweetspot

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



38.3653, 0.4087, 0.4808



73.8762, 0.3445, 0.3801



11.6388, 0.5395, 0.3250



16.3492, 0.3486, 0.3866



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.3653, 0.4087, 0.4808



68.8499, 0.4192, 0.4962



34.2515, 0.3497, 0.5206



9.2967, 0.3263, 0.3509



27.3436, 0.4235, 0.5020



0.7708, 0.4221, 0.5030

Inverse Universe

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



6.3918, 0.1797, 0.1113



7.3139, 0.1590, 0.0764



8.6340, 0.2330, 0.1337



7.7869, 0.2985, 0.3061



2.2950, 0.1505, 0.0619



0.0736, 0.1529, 0.0703

Previews

White Background



This preview shows how the Yxy color 38.3635, 0.4087, 0.4808 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 38.3635, 0.4087, 0.4808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

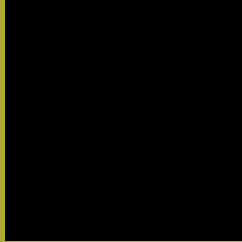
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3635, 0.4087, 0.4808

Background



This preview shows how black text looks on a background with the Yxy color 38.3635, 0.4087, 0.4808.



This preview shows how white text looks on a background with the Yxy color 38.3635, 0.4087, 0.4808.

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

38.3635, 0.4087, 0.4808

Protanopia

38.4325, 0.4259, 0.4692

Deuteranopia

38.1491, 0.4521, 0.4428



Tritanopia

38.3105, 0.3250, 0.3129

Trichromacy



Original Color

38.3635, 0.4087, 0.4808

Protanomaly

38.1806, 0.4199, 0.4734

Deuteranomaly

38.1965, 0.4366, 0.4566

Tritanomaly

37.8127, 0.3613, 0.3795

Monochromacy



Original Color

38.3635, 0.4087, 0.4808

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.4188, 0.3535, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3635, 0.4087, 0.4808 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(174, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(174, 171, 51)  
}
```

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(174, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 171, 51) }
```

Border

The CSS property to change the border of an element to Yxy 38.3635, 0.4087, 0.4808 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(174, 171, 51) }
```

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

```
.border{ border-color:rgb(174, 171, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(174, 171,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3635, 0.4087, 0.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 171, 51) }
```

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

```
.background{ background-color: rgb(174,  
171, 51) }
```

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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