

Converting Colors

$Yxy(38.1311, 0.3960, 0.4668)$

Have a look what the booklet for
Yxy(38.1311, 0.3960, 0.4668)
contains.

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Color

Yxy(38.2134, 0.3958, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB45
RGB	171, 171, 69
RGB Percent	67%, 67%, 27%
CMY	0.3293, 0.3294, 0.7293
CMYK	0.00, 0.00, 0.60, 0.33
HSL	60°, 42%, 47%
HSV	60°, 60%, 67%
XYZ	32.4359, 38.2134, 11.3009
YIQ	159.3720, 32.7420, -31.7220

Conversions

Conversions Part 2

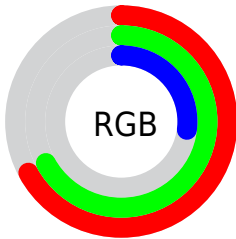
Format	Color
RYB	69, 171, 69
Decimal	11250501
CIELab	68.18, -13.43, 51.14
CIELCh	68, 52.877, 104.710
Yxy	38.2134, 0.3958, 0.4663
Android (android.graphics.Color)	4289440581 (0xFFABAB45)
YUV	159.3720, -44.5534, 10.1978
Hunter-Lab	61.8170, -14.5192, 32.4329

Details

The Yxy color **38.2134, 0.3958, 0.4663** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.4703, 0.1992, 0.1413**, and the grayscale version is **35.0506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2672, 0.3828, 0.4416**, and **16.9308, 0.4119, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **38.0309, 0.4053, 0.4820**, and if you desaturate by 10%, it is **38.4607, 0.3842, 0.4471**.

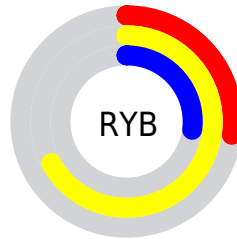
Distribution



Red (67%)

Green (67%)

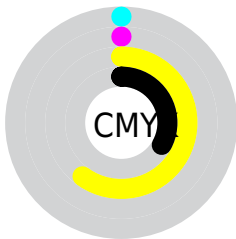
Blue (27%)



Red (27%)

Yellow (67%)

Blue (27%)

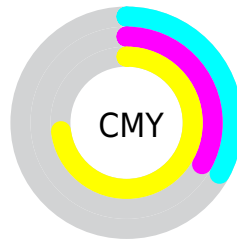


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2134, 0.3958, 0.4663 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 38.2134, 0.3958, 0.4663 by changing the saturation by 10% instead.

 38.2134, 0.3958,
0.4663


 38.2134, 0.3958,
0.4663


338.5345, 0.3570,
0.3965

 26.1484, 0.4035,
0.4829


 72.4351, 0.3829,
0.4413


 16.9347, 0.4118,
0.5030


 95.3606, 0.3777,
0.4317


 10.1879, 0.4196,
0.5272


 122.6749, 0.3731,
0.4236

 5.5237, 0.4329,
0.5671

 154.7626, 0.3690,
0.4166

 2.5577, 0.4164,
0.5836

 192.0080, 0.3655,
0.4106

 0.9055, 0.3704,
0.6296

234.7956, 0.3623,

 0.0000, 0.0000,

0.4053

0.0000

283.5096, 0.3595,
0.4006

■ 38.2134, 0.3958,
0.4663

■ 38.2134, 0.3958,
0.4663

■ 38.0309, 0.4053,
0.4820

■ 38.4607, 0.3842,
0.4471

■ 37.9023, 0.4123,
0.4936

■ 38.7722, 0.3709,
0.4252

■ 37.8232, 0.4168,
0.5010

■ 39.1540, 0.3566,
0.4015

■ 37.7803, 0.4193,
0.5051

■ 39.6101, 0.3417,
0.3769

■ 37.7788, 0.4194,
0.5052

■ 40.1441, 0.3267,
0.3522

■ 40.7593, 0.3122,
0.3281

■ 41.4591, 0.2983,
0.3052

■ 42.2464, 0.2853,
0.2836

■ 43.1241, 0.2732,
0.2637

Harmonies

Analogous

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



38.2134, 0.4507, 0.4235



38.2134, 0.3958, 0.4663



38.2134, 0.3225, 0.4694

Triad

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



38.2134, 0.3958, 0.4663



38.2134, 0.1781, 0.2602



38.2134, 0.3669, 0.2601

Complementary

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



38.2134, 0.3958, 0.4663



8.4703, 0.1992, 0.1413

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.



38.2134, 0.2865, 0.2249



38.2134, 0.3958, 0.4663



38.2134, 0.1864, 0.2206

Square

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



38.2134, 0.3958, 0.4663



38.2134, 0.1994, 0.3309



38.2134, 0.2230, 0.2104



38.2134, 0.4377, 0.3100

Rectangle

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



38.2134, 0.3958, 0.4663



38.2134, 0.2731, 0.4391



38.2134, 0.2230, 0.2104



38.2134, 0.3395, 0.2464

Sweetspot

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



38.2152, 0.3958, 0.4663



71.0377, 0.3397, 0.3736



13.3717, 0.4908, 0.3272



15.7857, 0.3439, 0.3806



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.



38.2152, 0.3958, 0.4663



67.9975, 0.4081, 0.4867



33.6817, 0.3465, 0.4939



9.3299, 0.3263, 0.3514



28.4718, 0.4194, 0.5052



0.7922, 0.4193, 0.5052

Inverse Universe

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



8.4703, 0.1992, 0.1413



9.7561, 0.1748, 0.1010



11.0754, 0.2505, 0.1632



7.7575, 0.2985, 0.3056



2.2173, 0.1500, 0.0600



0.0618, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 38.2134, 0.3958, 0.4663 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 38.2134, 0.3958, 0.4663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

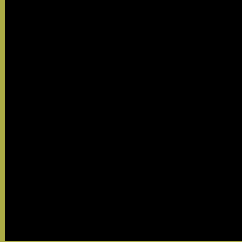
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2134, 0.3958, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 38.2134, 0.3958, 0.4663.



This preview shows how white text looks on a background with the Yxy color 38.2134, 0.3958, 0.4663.

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

38.2134, 0.3958, 0.4663

Protanopia

38.0041, 0.4146, 0.4542

Deuteranopia

38.0566, 0.4392, 0.4298



Tritanopia

37.9825, 0.3212, 0.3114

Trichromacy



Original Color

38.2134, 0.3958, 0.4663

Protanomaly

38.1259, 0.4079, 0.4591

Deuteranomaly

37.9997, 0.4225, 0.4428

Tritanomaly

37.6473, 0.3517, 0.3701

Monochromacy



Original Color

38.2134, 0.3958, 0.4663

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4873, 0.3461, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2134, 0.3958, 0.4663 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(171, 171, 69)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 69)  
}
```

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(171, 171, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 69) }
```

Border

The CSS property to change the border of an element to Yxy 38.2134, 0.3958, 0.4663 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(171, 171, 69) }
```

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

```
.border{ border-color:rgb(171, 171, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 69);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2134, 0.3958, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 69) }
```

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

```
.background{ background-color: rgb(171,  
171, 69) }
```

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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