

Converting Colors

$Yxy(38.2030, 0.3916, 0.4615)$

Have a look what the booklet for
Yxy(38.2030, 0.3916, 0.4615)
contains.

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Color

Yxy(38.1663, 0.3916, 0.4616)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB4A
RGB	170, 171, 74
RGB Percent	67%, 67%, 29%
CMY	0.3333, 0.3294, 0.7098
CMYK	0.01, 0.00, 0.57, 0.33
HSL	61°, 40%, 48%
HSV	61°, 57%, 67%
XYZ	32.3785, 38.1663, 12.1378
YIQ	159.6430, 30.5410, -30.3790

Conversions

Conversions Part 2

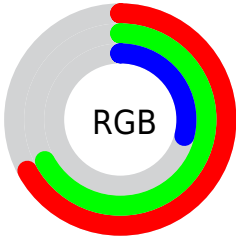
Format	Color
RYB	74, 171, 75
Decimal	11184970
CIELab	68.14, -13.48, 48.82
CIELCh	68, 50.647, 105.440
Yxy	38.1663, 0.3916, 0.4616
Android (android.graphics.Color)	4289375050 (0xFFAAAB4A)
YUV	159.6430, -42.2220, 9.0831
Hunter-Lab	61.7789, -14.5606, 31.5964

Details

The Yxy color **38.1663, 0.3916, 0.4616** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.3327, 0.2059, 0.1513**, and the grayscale version is **35.1698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2300, 0.3791, 0.4371**, and **16.8890, 0.4072, 0.4985** is the 20% darker color. If you saturate the color by 10%, you get **37.9487, 0.4016, 0.4786**, and if you desaturate by 10%, it is **38.4501, 0.3796, 0.4413**.

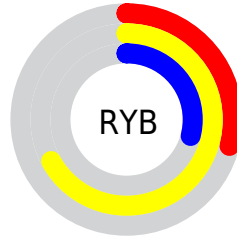
Distribution



Red (67%)

Green (67%)

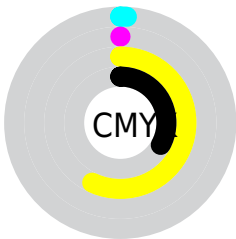
Blue (29%)



Red (29%)

Yellow (67%)

Blue (29%)

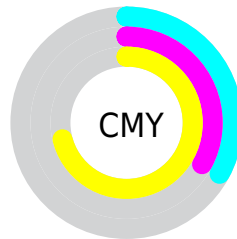


Cyan (1%)

Magenta (0%)

Yellow (57%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1663, 0.3916, 0.4616 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 38.1663, 0.3916, 0.4616 by changing the saturation by 10% instead.


 38.1663, 0.3916,
0.4616


 38.1663, 0.3916,
0.4616

338.3328, 0.3545,
0.3938

 26.1118, 0.3992,
0.4779


 72.3630, 0.3791,
0.4371


 16.9073, 0.4074,
0.4981


 95.2739, 0.3741,
0.4278


 10.1684, 0.4156,
0.5227


 122.5724, 0.3697,
0.4200

 5.5108, 0.4326,
0.5674

 154.6429, 0.3659,
0.4132

 2.5499, 0.4160,
0.5840

 191.8698, 0.3625,
0.4074

 0.9016, 0.3692,
0.6308

234.6375, 0.3595,

 0.0000, 0.0000,

0.4022

0.0000

283.3304, 0.3568,
0.3978

■ 38.1663, 0.3916,
0.4616

■ 38.1663, 0.3916,
0.4616

■ 37.9487, 0.4016,
0.4786

■ 38.4501, 0.3796,
0.4413

■ 37.7867, 0.4092,
0.4916

■ 38.7995, 0.3662,
0.4186

■ 37.6762, 0.4142,
0.5005

■ 39.2203, 0.3518,
0.3945

■ 37.6085, 0.4169,
0.5054

■ 39.7165, 0.3370,
0.3697

■ 37.5899, 0.4176,
0.5066

■ 40.2916, 0.3224,
0.3451

■ 40.9489, 0.3081,
0.3213

■ 41.6916, 0.2946,
0.2988

■ 42.5228, 0.2820,
0.2777

■ 43.4452, 0.2703,
0.2582

Harmonies

Analogous

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



38.1663, 0.4447, 0.4219



38.1663, 0.3916, 0.4616



38.1663, 0.3209, 0.4624

Triad

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



38.1663, 0.3916, 0.4616



38.1663, 0.1827, 0.2619



38.1663, 0.3667, 0.2637

Complementary

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



38.1663, 0.3916, 0.4616



9.3327, 0.2059, 0.1513

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.



38.1663, 0.2895, 0.2291



38.1663, 0.3916, 0.4616



38.1663, 0.1914, 0.2241

Square

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



38.1663, 0.3916, 0.4616



38.1663, 0.2028, 0.3292



38.1663, 0.2276, 0.2146



38.1663, 0.4337, 0.3124

Rectangle

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



38.1663, 0.3916, 0.4616



38.1663, 0.2734, 0.4324



38.1663, 0.2276, 0.2146



38.1663, 0.3405, 0.2503

Sweetspot

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



38.1681, 0.3916, 0.4616



71.0747, 0.3379, 0.3711



14.0495, 0.4803, 0.3295



15.8095, 0.3407, 0.3759



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.



38.1681, 0.3916, 0.4616



67.8824, 0.4037, 0.4822



33.7946, 0.3442, 0.4867



9.3260, 0.3261, 0.3514



28.3384, 0.4176, 0.5066



0.7896, 0.4181, 0.5062

Inverse Universe

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



9.3327, 0.2059, 0.1513



11.1695, 0.1822, 0.1123



12.0115, 0.2564, 0.1721



7.7610, 0.2987, 0.3056



2.2264, 0.1504, 0.0602



0.0632, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 38.1663, 0.3916, 0.4616 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 38.1663, 0.3916, 0.4616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

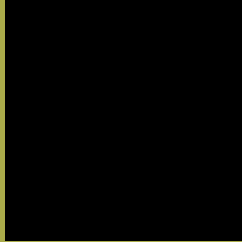
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1663, 0.3916, 0.4616

Background



This preview shows how black text looks on a background with the Yxy color 38.1663, 0.3916, 0.4616.



This preview shows how white text looks on a background with the Yxy color 38.1663, 0.3916, 0.4616.

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

38.1663, 0.3916, 0.4616

Protanopia

37.9438, 0.4103, 0.4498

Deuteranopia

37.9829, 0.4345, 0.4255



Tritanopia

38.2102, 0.3201, 0.3128

Trichromacy



Original Color

38.1663, 0.3916, 0.4616

Protanomaly

38.0700, 0.4036, 0.4546

Deuteranomaly

37.9367, 0.4180, 0.4383

Tritanomaly

37.9465, 0.3486, 0.3687

Monochromacy



Original Color

38.1663, 0.3916, 0.4616

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.0284, 0.3441, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1663, 0.3916, 0.4616 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(170, 171, 74)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 74)  
}
```

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(170, 171, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 74) }
```

Border

The CSS property to change the border of an element to Yxy 38.1663, 0.3916, 0.4616 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(170, 171, 74) }
```

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

```
.border{ border-color:rgb(170, 171, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 74);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1663, 0.3916, 0.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 74) }
```

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

```
.background{ background-color: rgb(170,  
171, 74) }
```

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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