

Converting Colors

$Yxy(33.8207, 0.3724, 0.4639)$

Have a look what the booklet for
Yxy(33.8207, 0.3724, 0.4639)
contains.

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Color

Yxy(33.8216, 0.3724, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	95A54C
RGB	149, 165, 76
RGB Percent	58%, 65%, 30%
CMY	0.4158, 0.3529, 0.7019
CMYK	0.10, 0.00, 0.54, 0.35
HSL	71°, 37%, 47%
HSV	71°, 54%, 65%
XYZ	27.1506, 33.8216, 11.9349
YIQ	150.0700, 19.0330, -31.0710

Conversions

Conversions Part 2

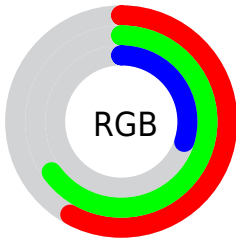
Format	Color
RYB	76, 165, 92
Decimal	9807180
CIELab	64.82, -19.07, 43.63
CIELCh	65, 47.616, 113.611
Yxy	33.8216, 0.3724, 0.4639
Android (android.graphics.Color)	4287997260 (0xFF95A54C)
YUV	150.0700, -36.5165, -0.9384
Hunter-Lab	58.1563, -18.4399, 28.5419

Details

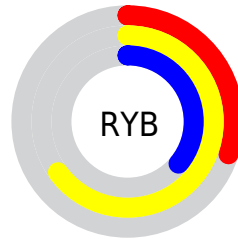
The Yxy color **33.8216, 0.3724, 0.4639** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.1637, 0.2269, 0.1672**, and the grayscale version is **30.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6978, 0.3636, 0.4375**, and **14.3672, 0.3841, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **33.3462, 0.3800, 0.4852**, and if you desaturate by 10%, it is **34.3660, 0.3630, 0.4400**.

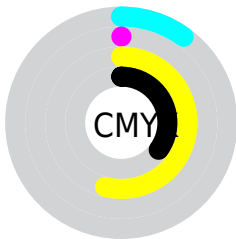
Distribution



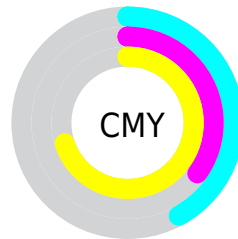
- Red (58%)
- Green (65%)
- Blue (30%)



- Red (30%)
- Yellow (65%)
- Blue (36%)



- Cyan (10%)
- Magenta (0%)
- Yellow (54%)
- Black (35%)





- Cyan (42%)
- Magenta (35%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8216, 0.3724, 0.4639 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 33.8216, 0.3724, 0.4639 by changing the saturation by 10% instead.


 33.8216, 0.3724,
0.4639


 33.8216, 0.3724,
0.4639

319.3358, 0.3443,
0.3919


 22.7566, 0.3780,
0.4826


 65.6561, 0.3630,
0.4370

 14.4139, 0.3838,
0.5064


 87.1945, 0.3592,
0.4271


 8.4091, 0.3886,
0.5373

 112.9927, 0.3559,
0.4188

 4.3578, 0.4025,
0.5975

 143.4352, 0.3530,
0.4118

 1.8757, 0.3739,
0.6261

 178.9063, 0.3504,
0.4057

 0.5337, 0.0725,
0.9275

219.7906, 0.3481,

 0.0000, 0.0000,

0.4005

0.0000

266.4723, 0.3461,
0.3959

■ 33.8216, 0.3724,
0.4639

■ 33.8216, 0.3724,
0.4639

■ 33.3462, 0.3800,
0.4852

■ 34.3660, 0.3630,
0.4400

■ 32.9307, 0.3853,
0.5030

■ 34.9791, 0.3523,
0.4147

■ 32.5712, 0.3882,
0.5166

■ 35.6661, 0.3408,
0.3888

■ 32.2614, 0.3886,
0.5258

■ 36.4306, 0.3290,
0.3631

■ 32.0883, 0.3881,
0.5301

■ 37.2758, 0.3173,
0.3384

■ 38.2047, 0.3058,
0.3150

■ 39.2204, 0.2950,
0.2932

■ 40.3255, 0.2847,
0.2732

■ 41.5227, 0.2752,
0.2549

Harmonies

Analogous

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



33.8216, 0.4309, 0.4333



33.8216, 0.3724, 0.4639



33.8216, 0.3016, 0.4501

Triad

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



33.8216, 0.3724, 0.4639



33.8216, 0.1846, 0.2503



33.8216, 0.3857, 0.2770

Complementary

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



33.8216, 0.3724, 0.4639



10.1637, 0.2269, 0.1672

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.



33.8216, 0.3099, 0.2384



33.8216, 0.3724, 0.4639



33.8216, 0.2006, 0.2210

Square

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



33.8216, 0.3724, 0.4639



33.8216, 0.1966, 0.3090



33.8216, 0.2435, 0.2183



33.8216, 0.4434, 0.3274

Rectangle

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



33.8216, 0.3724, 0.4639



33.8216, 0.2569, 0.4121



33.8216, 0.2435, 0.2183



33.8216, 0.3610, 0.2624

Sweetspot

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



33.8231, 0.3724, 0.4639



64.9003, 0.3318, 0.3691



15.9768, 0.4530, 0.3522



14.1296, 0.3341, 0.3740



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.8231, 0.3724, 0.4639



59.5355, 0.3814, 0.4895



30.4801, 0.3292, 0.4855



8.1725, 0.3235, 0.3514



24.2913, 0.3884, 0.5298



0.5263, 0.4004, 0.5203

Inverse Universe

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



10.1637, 0.2269, 0.1672



12.6058, 0.2041, 0.1291



13.0657, 0.2791, 0.1878



6.9185, 0.3013, 0.3060



2.2772, 0.1595, 0.0652



0.0639, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 33.8216, 0.3724, 0.4639 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 33.8216, 0.3724, 0.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

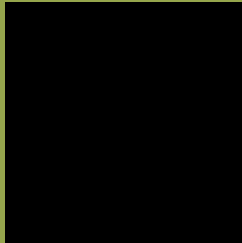
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8216, 0.3724, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 33.8216, 0.3724, 0.4639.



This preview shows how white text looks on a background with the Yxy color 33.8216, 0.3724, 0.4639.

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

33.8216, 0.3724, 0.4639

Protanopia

33.6070, 0.4062, 0.4439

Deuteranopia

33.7293, 0.4274, 0.4197



Tritanopia

33.6036, 0.3058, 0.3114

Trichromacy



Original Color

33.8216, 0.3724, 0.4639

Protanomaly

33.6489, 0.3935, 0.4510

Deuteranomaly

33.3543, 0.4071, 0.4343

Tritanomaly

33.4861, 0.3316, 0.3675

Monochromacy



Original Color

33.8216, 0.3724, 0.4639

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3568, 0.3377, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8216, 0.3724, 0.4639 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(149, 165, 76)` looks like.

```
.text, #text, p{  
    color:rgb(149, 165, 76)  
}
```

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(149, 165, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 165, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.8216, 0.3724, 0.4639 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(149, 165, 76) }
```

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

```
.border{ border-color:rgb(149, 165, 76) }
```

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

Here you see how a box with a 4 pixel rgb(149, 165, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 165, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 165, 76);  
box-shadow:4px 4px 4px 4px rgb(149, 165,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8216, 0.3724, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 165, 76) }
```

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

```
.background{ background-color: rgb(149,  
165, 76) }
```

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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