

Converting Colors

$Yxy(33.7117, 0.3735, 0.3759)$

Have a look what the booklet for
Yxy(33.7117, 0.3735, 0.3759)
contains.

Yxy(33.8418, 0.3735, 0.3761)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.8418, 0.3735, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	B49978
RGB	180, 153, 120
RGB Percent	71%, 60%, 47%
CMY	0.2940, 0.4000, 0.5294
CMYK	0.00, 0.15, 0.33, 0.29
HSL	33°, 29%, 59%
HSV	33°, 33%, 71%
XYZ	33.6078, 33.8418, 22.5312
YIQ	157.3110, 26.6850, -4.5390

Conversions

Conversions Part 2

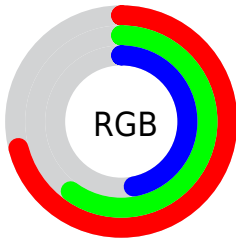
Format	Color
RYB	169, 180, 120
Decimal	11835768
CIELab	64.84, 5.13, 21.08
CIElCh	65, 21.693, 76.316
Yxy	33.8418, 0.3735, 0.3761
Android (android.graphics.Color)	4290025848 (0xFFB49978)
YUV	157.3110, -18.3943, 19.8983
Hunter-Lab	58.1737, 1.3182, 17.7580

Details

The Yxy color **33.8418, 0.3735, 0.3761** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.1669, 0.2595, 0.2766**, and the grayscale version is **33.9415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6087, 0.3622, 0.3674**, and **14.3933, 0.3932, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **30.8824, 0.3962, 0.3904**, and if you desaturate by 10%, it is **37.0668, 0.3528, 0.3615**.

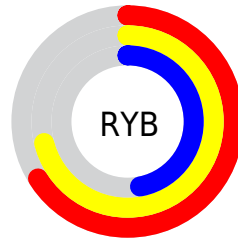
Distribution



Red (71%)

Green (60%)

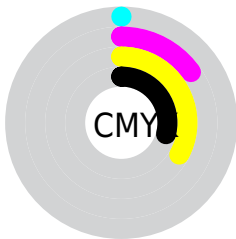
Blue (47%)



Red (66%)

Yellow (71%)

Blue (47%)

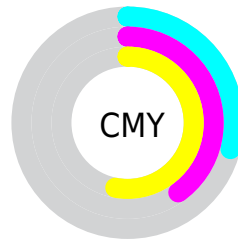


Cyan (0%)

Magenta (15%)

Yellow (33%)

Black (29%)



Cyan (29%)


Magenta (40%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8418, 0.3735, 0.3761 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 33.8418, 0.3735, 0.3761 by changing the saturation by 10% instead.

 33.8418, 0.3735,
0.3761


 33.8418, 0.3735,
0.3761


319.4261, 0.3415,
0.3519

 22.7721, 0.3820,
0.3823


 65.6876, 0.3615,
0.3672

 14.4253, 0.3931,
0.3902


 87.2324, 0.3571,
0.3639

 8.4171, 0.4082,
0.4007


 113.0378, 0.3534,
0.3611

 4.3630, 0.4298,
0.4148

143.4881, 0.3503,
0.3587

 1.8786, 0.4770,
0.4479

178.9676, 0.3476,
0.3566

 0.5355, 0.5422,
0.4578

219.8609, 0.3453,

 0.0000, 0.0000,

0.3548

0.0000

266.5522, 0.3433,
0.3533

■ 33.8418, 0.3735,
0.3761

■ 33.8418, 0.3735,
0.3761

■ 30.8824, 0.3962,
0.3904

■ 37.0668, 0.3528,
0.3615

■ 28.1757, 0.4204,
0.4037

■ 40.5605, 0.3343,
0.3471

■ 25.7147, 0.4455,
0.4148

■ 44.3317, 0.3178,
0.3334

■ 23.4897, 0.4704,
0.4226

■ 48.3874, 0.3032,
0.3205

■ 21.4905, 0.4936,
0.4259

■ 52.7343, 0.2905,
0.3085

■ 19.7051, 0.5138,
0.4240

■ 57.3788, 0.2793,
0.2975

■ 18.6215, 0.5259,
0.4206

■ 62.3272, 0.2694,
0.2873

■ 66.9905, 0.2655,
0.2873

■ 71.2946, 0.2665,
0.2966

Harmonies

Analogous

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



33.8418, 0.3798, 0.3522



33.8418, 0.3735, 0.3761



33.8418, 0.3505, 0.3889

Triad

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



33.8418, 0.3735, 0.3761



33.8418, 0.2609, 0.3302



33.8418, 0.3044, 0.2806

Complementary

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



33.8418, 0.3735, 0.3761



28.1669, 0.2595, 0.2766

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.



33.8418, 0.2740, 0.2736



33.8418, 0.3735, 0.3761



33.8418, 0.2500, 0.3001

Square

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



33.8418, 0.3735, 0.3761



33.8418, 0.2855, 0.3622



33.8418, 0.2546, 0.2801



33.8418, 0.3387, 0.2988

Rectangle

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



33.8418, 0.3735, 0.3761



33.8418, 0.3294, 0.3880



33.8418, 0.2546, 0.2801



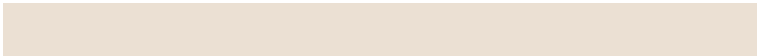
33.8418, 0.2934, 0.2769

Sweetspot

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



33.8434, 0.3735, 0.3761



75.6348, 0.3288, 0.3427



25.2787, 0.3533, 0.2891



16.1470, 0.3312, 0.3446



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.8434, 0.3735, 0.3761



57.3601, 0.3900, 0.3867



43.4755, 0.3602, 0.4113



9.2537, 0.3274, 0.3415



13.1289, 0.5243, 0.4219



0.5276, 0.4877, 0.4510

Inverse Universe

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



28.1669, 0.2595, 0.2766



45.4908, 0.2473, 0.2628



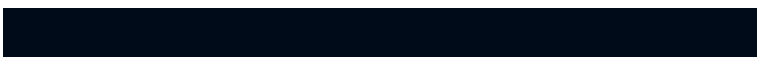
20.8683, 0.2558, 0.2322



8.8393, 0.2985, 0.3162



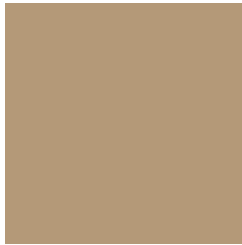
6.5436, 0.1734, 0.1441



0.3229, 0.1886, 0.1989

Previews

White Background



This preview shows how the Yxy color 33.8418, 0.3735, 0.3761 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 33.8418, 0.3735, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

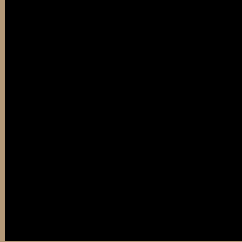
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8418, 0.3735, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 33.8418, 0.3735, 0.3761.



This preview shows how white text looks on a background with the Yxy color 33.8418, 0.3735, 0.3761.

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

33.8418, 0.3735, 0.3761

Protanopia

33.8439, 0.3570, 0.3810

Deuteranopia

33.8036, 0.3798, 0.3725



Tritanopia

33.8734, 0.3393, 0.3139

Trichromacy



Original Color

33.8418, 0.3735, 0.3761

Protanomaly

33.9281, 0.3626, 0.3803

Deuteranomaly

33.8798, 0.3772, 0.3742

Tritanomaly

33.9243, 0.3522, 0.3361

Monochromacy



Original Color

33.8418, 0.3735, 0.3761

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.7899, 0.3330, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8418, 0.3735, 0.3761 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(180, 153, 120)` looks like.

```
.text, #text, p{  
    color:rgb(180, 153, 120)  
}
```

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(180, 153, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 153, 120) }
```

Border

The CSS property to change the border of an element to Yxy 33.8418, 0.3735, 0.3761 is called "border". The border property can be set on classes, ids or directly on the HTML element.

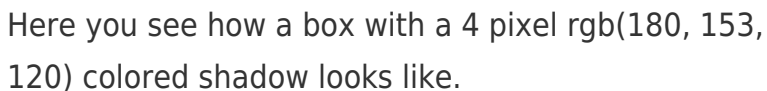
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 153, 120) }
```

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

```
.border{ border-color:rgb(180, 153, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 153, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 153, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 153, 120);  
box-shadow:4px 4px 4px 4px rgb(180, 153,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8418, 0.3735, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 153, 120) }
```

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

```
.background{ background-color: rgb(180,  
153, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor