

Converting Colors

$Y_{xy}(35.7815, 0.3535, 0.4358)$

Have a look what the booklet for
Yxy(35.7815, 0.3535, 0.4358)
contains.

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Color

Yxy(35.7608, 0.3541, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	96A963
RGB	150, 169, 99
RGB Percent	59%, 66%, 39%
CMY	0.4116, 0.3373, 0.6117
CMYK	0.11, 0.00, 0.41, 0.34
HSL	76°, 29%, 53%
HSV	76°, 41%, 66%
XYZ	29.0234, 35.7608, 17.1796
YIQ	155.3390, 11.1460, -25.7980

Conversions

Conversions Part 2

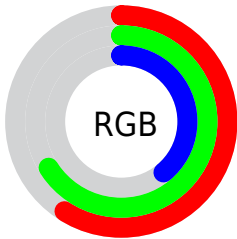
Format	Color
RYB	99, 169, 118
Decimal	9873763
CIELab	66.34, -18.20, 33.89
CIELCh	66, 38.467, 118.242
Yxy	35.7608, 0.3541, 0.4363
Android (android.graphics.Color)	4288063843 (0xFF96A963)
YUV	155.3390, -27.7751, -4.6823
Hunter-Lab	59.8003, -18.0177, 24.8272

Details

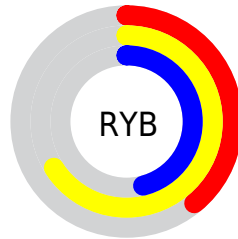
The Yxy color **35.7608, 0.3541, 0.4363** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6394, 0.2570, 0.2106**, and the grayscale version is **33.0620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5248, 0.3471, 0.4142**, and **15.5495, 0.3638, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **35.0463, 0.3622, 0.4621**, and if you desaturate by 10%, it is **36.5631, 0.3448, 0.4096**.

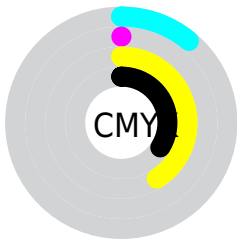
Distribution



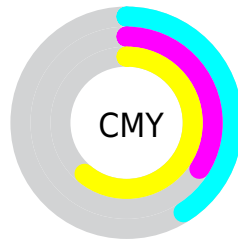
- Red (59%)
- Green (66%)
- Blue (39%)



- Red (39%)
- Yellow (66%)
- Blue (46%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (34%)





- Cyan (41%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7608, 0.3541, 0.4363 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 35.7608, 0.3541, 0.4363 by changing the saturation by 10% instead.


 35.7608, 0.3541,
0.4363


 35.7608, 0.3541,
0.4363


327.9138, 0.3343,
0.3789

 24.2495, 0.3584,
0.4516


 68.6627, 0.3473,
0.4146


 15.5188, 0.3633,
0.4718


 90.8221, 0.3446,
0.4067

 9.1843, 0.3686,
0.4991


 117.2997, 0.3423,
0.4001

 4.8616, 0.3730,
0.5379

 148.4798, 0.3402,
0.3946

 2.1663, 0.3845,
0.6155

184.7469, 0.3385,
0.3898

 0.7015, 0.2407,
0.7593

226.4853, 0.3369,

 0.0000, 0.0000,

0.3857

0.0000

274.0795, 0.3355,
0.3820

■ 35.7608, 0.3541,
0.4363

■ 35.7608, 0.3541,
0.4363

■ 35.0463, 0.3622,
0.4621

■ 36.5631, 0.3448,
0.4096

■ 34.4103, 0.3687,
0.4859

■ 37.4525, 0.3347,
0.3829

■ 33.8496, 0.3730,
0.5065

■ 38.4344, 0.3244,
0.3569

■ 33.3585, 0.3750,
0.5231

■ 39.5123, 0.3141,
0.3323

■ 32.9304, 0.3744,
0.5350

■ 40.6895, 0.3042,
0.3094

■ 32.6009, 0.3725,
0.5424

■ 41.9691, 0.2947,
0.2882

■ 43.3542, 0.2857,
0.2689

■ 44.8477, 0.2774,
0.2514

■ 46.4522, 0.2697,
0.2356

Harmonies

Analogous

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



35.7608, 0.4030, 0.4198



35.7608, 0.3541, 0.4363



35.7608, 0.2966, 0.4171

Triad

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



35.7608, 0.3541, 0.4363



35.7608, 0.2083, 0.2614



35.7608, 0.3795, 0.2932

Complementary

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



35.7608, 0.3541, 0.4363



15.6394, 0.2570, 0.2106

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.



35.7608, 0.3206, 0.2589



35.7608, 0.3541, 0.4363



35.7608, 0.2254, 0.2395

Square

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



35.7608, 0.3541, 0.4363



35.7608, 0.2153, 0.3061



35.7608, 0.2646, 0.2396



35.7608, 0.4206, 0.3366

Rectangle

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



35.7608, 0.3541, 0.4363



35.7608, 0.2614, 0.3850



35.7608, 0.2646, 0.2396



35.7608, 0.3607, 0.2805

Sweetspot

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



35.7624, 0.3541, 0.4363



68.6919, 0.3252, 0.3590



22.2155, 0.4038, 0.3581



14.9232, 0.3265, 0.3621



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



35.7624, 0.3541, 0.4363



62.8336, 0.3619, 0.4608



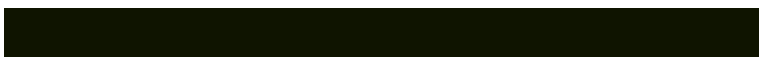
32.9427, 0.3208, 0.4487



8.6701, 0.3222, 0.3516



24.3266, 0.3730, 0.5420



0.6151, 0.3891, 0.5292

Inverse Universe

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



15.6394, 0.2570, 0.2106



21.7259, 0.2409, 0.1800



18.5299, 0.2974, 0.2232



7.3952, 0.3027, 0.3060



2.5873, 0.1682, 0.0700



0.0876, 0.2044, 0.0900

Previews

White Background



This preview shows how the Yxy color 35.7608, 0.3541, 0.4363 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 35.7608, 0.3541, 0.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

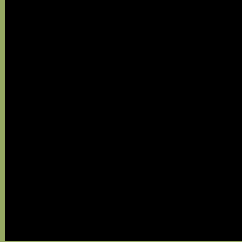
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7608, 0.3541, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 35.7608, 0.3541, 0.4363.



This preview shows how white text looks on a background with the Yxy color 35.7608, 0.3541, 0.4363.

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

35.7608, 0.3541, 0.4363

Protanopia

35.5644, 0.3876, 0.4207

Deuteranopia

35.5398, 0.4056, 0.3981



Tritanopia

35.6323, 0.3014, 0.3103

Trichromacy



Original Color

35.7608, 0.3541, 0.4363

Protanomaly

35.6295, 0.3755, 0.4265

Deuteranomaly

35.2008, 0.3865, 0.4109

Tritanomaly

35.3376, 0.3210, 0.3546

Monochromacy



Original Color

35.7608, 0.3541, 0.4363

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.6632, 0.3285, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7608, 0.3541, 0.4363 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(150, 169, 99)` looks like.

```
.text, #text, p{  
    color:rgb(150, 169, 99)  
}
```

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(150, 169, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 169, 99) }
```

Border

The CSS property to change the border of an element to Yxy 35.7608, 0.3541, 0.4363 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(150, 169, 99) }
```

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

```
.border{ border-color:rgb(150, 169, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 169, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 169, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 169, 99);  
box-shadow:4px 4px 4px 4px rgb(150, 169,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7608, 0.3541, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 169, 99) }
```

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

```
.background{ background-color: rgb(150,  
169, 99) }
```

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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