

Converting Colors

$Yxy(33.8956, 0.3657, 0.4391)$

Have a look what the booklet for
Yxy(33.8956, 0.3657, 0.4391)
contains.

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Color

Yxy(33.7394, 0.3655, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	99A35C
RGB	153, 163, 92
RGB Percent	60%, 64%, 36%
CMY	0.4000, 0.3608, 0.6391
CMYK	0.06, 0.00, 0.44, 0.36
HSL	68°, 28%, 50%
HSV	68°, 44%, 64%
XYZ	28.1675, 33.7394, 15.1588
YIQ	151.9160, 16.8310, -24.2010

Conversions

Conversions Part 2

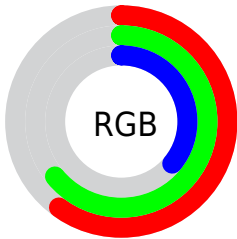
Format	Color
RYB	92, 163, 102
Decimal	10068828
CIELab	64.76, -14.73, 35.58
CIELCh	65, 38.504, 112.489
Yxy	33.7394, 0.3655, 0.4378
Android (android.graphics.Color)	4288258908 (0xFF99A35C)
YUV	151.9160, -29.5386, 0.9507
Hunter-Lab	58.0856, -15.0896, 25.1868

Details

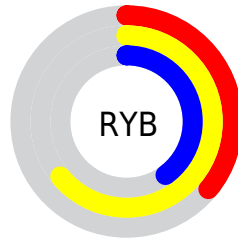
The Yxy color **33.7394, 0.3655, 0.4378** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.1296, 0.2435, 0.2008**, and the grayscale version is **31.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5359, 0.3564, 0.4167**, and **14.2601, 0.3774, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **33.2645, 0.3756, 0.4611**, and if you desaturate by 10%, it is **34.2830, 0.3541, 0.4129**.

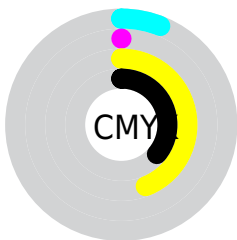
Distribution



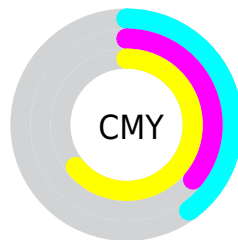
- Red (60%)
- Green (64%)
- Blue (36%)



- Red (36%)
- Yellow (64%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (44%)
- Black (36%)




- Cyan (40%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7394, 0.3655, 0.4378 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 33.7394, 0.3655, 0.4378 by changing the saturation by 10% instead.

 33.7394, 0.3655,
0.4378


 33.7394, 0.3655,
0.4378


318.9685, 0.3396,
0.3796


 22.6935, 0.3713,
0.4532


 65.5282, 0.3564,
0.4159

 14.3673, 0.3782,
0.4734


 87.0399, 0.3529,
0.4079

 8.3766, 0.3858,
0.5003


 112.8089, 0.3498,
0.4012

 4.3369, 0.3961,
0.5419

 143.2197, 0.3472,
0.3955

 1.8637, 0.4003,
0.5997

178.6567, 0.3449,
0.3907

 0.5264, 0.2111,
0.7889

219.5042, 0.3429,

 0.0000, 0.0000,

0.3865

0.0000

266.1467, 0.3411,
0.3828

■ 33.7394, 0.3655,
0.4378

■ 33.7394, 0.3655,
0.4378

■ 33.2645, 0.3756,
0.4611

■ 34.2830, 0.3541,
0.4129

■ 32.8497, 0.3840,
0.4817

■ 34.8943, 0.3419,
0.3874

■ 32.4921, 0.3901,
0.4989

■ 35.5783, 0.3294,
0.3620

■ 32.1866, 0.3938,
0.5118


■ 36.3381, 0.3170,
0.3374


■ 31.9270, 0.3950,
0.5205

■ 37.1766, 0.3050,
0.3141

 31.7742, 0.3949,
0.5246

 38.0966, 0.2936,
0.2923

 39.1007, 0.2829,
0.2723

 40.1914, 0.2730,
0.2539

 41.3712, 0.2639,
0.2372

Harmonies

Analogous

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



33.7394, 0.4120, 0.4152



33.7394, 0.3655, 0.4378



33.7394, 0.3073, 0.4259

Triad

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



33.7394, 0.3655, 0.4378



33.7394, 0.2059, 0.2670



33.7394, 0.3700, 0.2849

Complementary

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



33.7394, 0.3655, 0.4378



13.1296, 0.2435, 0.2008

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.



33.7394, 0.3089, 0.2525



33.7394, 0.3655, 0.4378



33.7394, 0.2186, 0.2403

Square

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



33.7394, 0.3655, 0.4378



33.7394, 0.2177, 0.3165



33.7394, 0.2544, 0.2363



33.7394, 0.4171, 0.3277

Rectangle

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



33.7394, 0.3655, 0.4378



33.7394, 0.2700, 0.3969



33.7394, 0.2544, 0.2363



33.7394, 0.3501, 0.2726

Sweetspot

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



33.7409, 0.3655, 0.4378



63.7558, 0.3290, 0.3612



17.9628, 0.4168, 0.3444



14.2581, 0.3317, 0.3666



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.



33.7409, 0.3655, 0.4378



59.6193, 0.3751, 0.4598



30.8232, 0.3299, 0.4518



8.1865, 0.3241, 0.3514



24.7089, 0.3952, 0.5244



0.5322, 0.4045, 0.5170

Inverse Universe

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



13.1296, 0.2435, 0.2008



17.9468, 0.2252, 0.1691



15.6199, 0.2845, 0.2141



6.9056, 0.3008, 0.3059



2.2089, 0.1566, 0.0636



0.0594, 0.1814, 0.0773

Previews

White Background



This preview shows how the Yxy color 33.7394, 0.3655, 0.4378 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 33.7394, 0.3655, 0.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

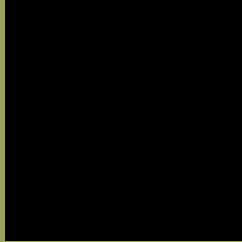
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7394, 0.3655, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 33.7394, 0.3655, 0.4378.



This preview shows how white text looks on a background with the Yxy color 33.7394, 0.3655, 0.4378.

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

33.7394, 0.3655, 0.4378

Protanopia

33.6228, 0.3910, 0.4252

Deuteranopia

33.5861, 0.4107, 0.4032



Tritanopia

33.5826, 0.3087, 0.3101

Trichromacy



Original Color

33.7394, 0.3655, 0.4378

Protanomaly

33.5509, 0.3813, 0.4293

Deuteranomaly

33.5980, 0.3941, 0.4155

Tritanomaly

33.3783, 0.3304, 0.3548

Monochromacy



Original Color

33.7394, 0.3655, 0.4378

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0640, 0.3329, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7394, 0.3655, 0.4378 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(153, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 163, 92)  
}
```

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(153, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 163, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.7394, 0.3655, 0.4378 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(153, 163, 92) }
```

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

```
.border{ border-color:rgb(153, 163, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 163,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7394, 0.3655, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 163, 92) }
```

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

```
.background{ background-color: rgb(153,  
163, 92) }
```

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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