

Converting Colors

$Yxy(33.7717, 0.3954, 0.5461)$

Have a look what the booklet for
Yxy(33.7717, 0.3954, 0.5461)
contains.

Yxy(33.7792, 0.3875, 0.5306)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7792, 0.3875, 0.5306)

Conversions

Conversions Part 1

Format	Color
Hex	8AA900
RGB	138, 169, 0
RGB Percent	54%, 66%, 0%
CMY	0.4588, 0.3372, 1.0000
CMYK	0.18, 0.00, 1.00, 0.34
HSL	71°, 100%, 33%
HSV	71°, 100%, 66%
XYZ	24.6691, 33.7792, 5.2139
YIQ	140.4650, 35.7730, -59.1310

Conversions

Conversions Part 2

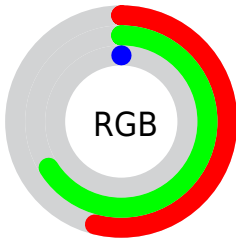
Format	Color
RYB	0, 169, 31
Decimal	9087232
CIELab	64.79, -29.28, 66.66
CIELCh	65, 72.808, 113.713
Yxy	33.7792, 0.3875, 0.5306
Android (android.graphics.Color)	4287277312 (0xFF8AA900)
YUV	140.4650, -69.2492, -2.1618
Hunter-Lab	58.1199, -25.9450, 35.3650

Details

The Yxy color **33.7792, 0.3875, 0.5306** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1560, 0.1589, 0.0649**, and the grayscale version is **26.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4214, 0.3807, 0.4938**, and **14.5616, 0.3708, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **33.7811, 0.3875, 0.5305**, and if you desaturate by 10%, it is **34.0895, 0.3882, 0.5232**.

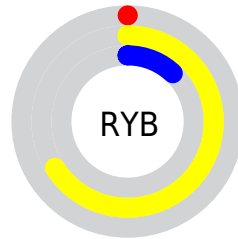
Distribution



Red (54%)

Green (66%)

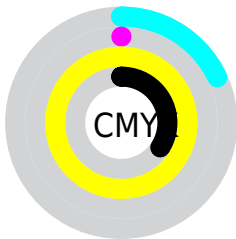
Blue (0%)



Red (0%)

Yellow (66%)

Blue (12%)

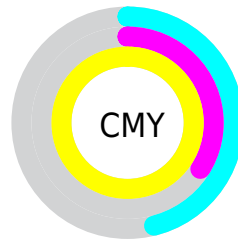


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (46%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7792, 0.3875, 0.5306 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 33.7792, 0.3875, 0.5306 by changing the saturation by 10% instead.


 33.7792, 0.3875,
0.5306


 33.7792, 0.3875,
0.5306


319.1464, 0.3588,
0.4263

 22.7240, 0.3893,
0.5543


 65.5902, 0.3805,
0.4936

 14.3899, 0.3879,
0.5823


 87.1147, 0.3768,
0.4793

 8.3923, 0.3819,
0.6181


 112.8979, 0.3731,
0.4670

 4.3470, 0.3550,
0.6450

 143.3241, 0.3698,
0.4565

 1.8695, 0.3103,
0.6897

 178.7776, 0.3666,
0.4474

 0.5299, 0.0000,
1.0000

 219.6429, 0.3638,

 0.0000, 0.0000,

0.4395

0.0000

266.3044, 0.3611,
0.4325

33.7792, 0.3875,
0.5306

33.7792, 0.3875,
0.5306

33.7811, 0.3875,
0.5305

34.0895, 0.3882,
0.5232

34.4395, 0.3869,
0.5123

34.8451, 0.3832,
0.4969

35.3124, 0.3770,
0.4776

35.8469, 0.3687,
0.4551

■ 36.4532, 0.3588,
0.4304

■ 37.1357, 0.3478,
0.4047

■ 37.8982, 0.3361,
0.3787

■ 38.7443, 0.3243,
0.3533

Harmonies

Analogous

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



33.7792, 0.4758, 0.4677



33.7792, 0.3875, 0.5306



33.7792, 0.2868, 0.5249

Triad

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



33.7792, 0.3875, 0.5306



33.7792, 0.1342, 0.2098



33.7792, 0.4228, 0.2524

Complementary

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



33.7792, 0.3875, 0.5306



3.1560, 0.1589, 0.0649

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.



33.7792, 0.3057, 0.2016



33.7792, 0.3875, 0.5306



33.7792, 0.1554, 0.1752

Square

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



33.7792, 0.3875, 0.5306



33.7792, 0.1464, 0.2913



33.7792, 0.2113, 0.1745



33.7792, 0.5113, 0.3181

Rectangle

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



33.7792, 0.3875, 0.5306



33.7792, 0.2245, 0.4625



33.7792, 0.2113, 0.1745



33.7792, 0.3838, 0.2333

Sweetspot

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



33.7811, 0.3875, 0.5305



66.4355, 0.3484, 0.4061



9.4146, 0.6197, 0.3462



14.3697, 0.3529, 0.4165



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.



33.7811, 0.3875, 0.5305



60.4127, 0.3869, 0.5310



29.1483, 0.3160, 0.5873



8.7032, 0.3235, 0.3515



25.1970, 0.3878, 0.5303



0.6306, 0.3989, 0.5215

Inverse Universe

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



3.1560, 0.1589, 0.0649



5.5859, 0.1578, 0.0643



6.5426, 0.2428, 0.1111



7.3643, 0.3013, 0.3059



2.3697, 0.1596, 0.0653



0.0761, 0.1882, 0.0810

Previews

White Background



This preview shows how the Yxy color 33.7792, 0.3875, 0.5306 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 33.7792, 0.3875, 0.5306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

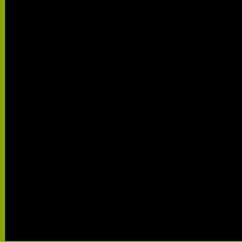
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7792, 0.3875, 0.5306

Background



This preview shows how black text looks on a background with the Yxy color 33.7792, 0.3875, 0.5306.



This preview shows how white text looks on a background with the Yxy color 33.7792, 0.3875, 0.5306.

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

33.7792, 0.3875, 0.5306

Protanopia

33.4611, 0.4406, 0.4884

Deuteranopia

33.5944, 0.4646, 0.4554



Tritanopia

33.6916, 0.2966, 0.3097

Trichromacy



Original Color

33.7792, 0.3875, 0.5306

Protanomaly

33.2763, 0.4214, 0.5036

Deuteranomaly

33.0541, 0.4374, 0.4834

Tritanomaly

32.7755, 0.3465, 0.4132

Monochromacy



Original Color

33.7792, 0.3875, 0.5306

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.3435, 0.3588, 0.4324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7792, 0.3875, 0.5306 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(138, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 169, 0)  
}
```

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(138, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.7792, 0.3875, 0.5306 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(138, 169, 0) }
```

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

```
.border{ border-color:rgb(138, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7792, 0.3875, 0.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 169, 0) }
```

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

```
.background{ background-color: rgb(138,  
169, 0) }
```

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