

Converting Colors

$Y_{xy}(33.3710, 0.5030, 0.4388)$

Have a look what the booklet for
Yxy(33.3710, 0.5030, 0.4388)
contains.

Yxy(33.3707, 0.5023, 0.4394)	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>	29

Color

Yxy(33.3707, 0.5023, 0.4394)

Conversions

Conversions Part 1

Format	Color
Hex	DA8B00
RGB	218, 139, 0
RGB Percent	85%, 55%, 0%
CMY	0.1451, 0.4549, 1.0000
CMYK	0.00, 0.36, 1.00, 0.15
HSL	38°, 100%, 43%
HSV	38°, 100%, 85%
XYZ	38.1477, 33.3707, 4.4277
YIQ	146.7750, 91.7030, -26.4810

Conversions

Conversions Part 2

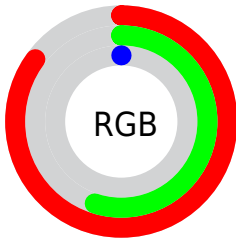
Format	Color
RYB	124, 218, 0
Decimal	14322432
CIELab	64.46, 22.01, 69.95
CIElCh	64, 73.329, 72.534
Yxy	33.3707, 0.5023, 0.4394
Android (android.graphics.Color)	4292512512 (0xFFDA8B00)
YUV	146.7750, -72.3601, 62.4643
Hunter-Lab	57.7674, 16.7827, 35.8928

Details

The Yxy color **33.3707, 0.5023, 0.4394** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **10.6553, 0.1649, 0.1137**, and the grayscale version is **29.3574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8810, 0.4523, 0.4403**, and **14.3129, 0.5197, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **33.3726, 0.5023, 0.4394**, and if you desaturate by 10%, it is **35.8011, 0.4882, 0.4428**.

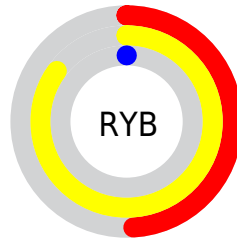
Distribution



Red (85%)

Green (55%)

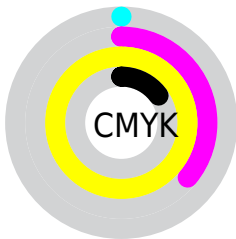
Blue (0%)



Red (49%)

Yellow (85%)

Blue (0%)

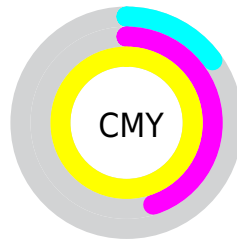


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3707, 0.5023, 0.4394 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 33.3707, 0.5023, 0.4394 by changing the saturation by 10% instead.


 33.3707, 0.5023,
0.4394

 33.3707, 0.5023,
0.4394


317.3168, 0.4121,
0.3968


 22.4106, 0.5198,
0.4433

 64.9539, 0.4726,
0.4285


 14.1589, 0.5399,
0.4454


 86.3457, 0.4604,
0.4230

 8.2313, 0.5593,
0.4407


 111.9835, 0.4497,
0.4177

 4.2433, 0.5758,
0.4242

 142.2518, 0.4402,
0.4128

 1.8106, 0.6021,
0.3979

 177.5348, 0.4319,
0.4082

 0.4937, 0.6733,
0.3267

 218.2171, 0.4245,

 0.0000, 0.0000,

0.4041

0.0000

264.6830, 0.4179,
0.4003

33.3707, 0.5023,
0.4394

33.3707, 0.5023,
0.4394

33.3726, 0.5023,
0.4394

35.8011, 0.4882,
0.4428

38.4629, 0.4712,
0.4415

41.3825, 0.4514,
0.4352

44.5749, 0.4299,
0.4245

48.0533, 0.4077,
0.4108

■ 51.8293, 0.3860,
0.3950

■ 55.9139, 0.3653,
0.3783

■ 60.3170, 0.3460,
0.3613

■ 65.0482, 0.3285,
0.3448

Harmonies

Analogous

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



33.3707, 0.5324, 0.3628



33.3707, 0.5023, 0.4394



33.3707, 0.4236, 0.5131

Triad

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



33.3707, 0.5023, 0.4394



33.3707, 0.1592, 0.3352



33.3707, 0.2657, 0.1873

Complementary

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



33.3707, 0.5023, 0.4394



10.6553, 0.1649, 0.1137

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.



33.3707, 0.1849, 0.1700



33.3707, 0.5023, 0.4394



33.3707, 0.1331, 0.2328

Square

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



33.3707, 0.5023, 0.4394



33.3707, 0.2268, 0.4690



33.3707, 0.1423, 0.1823



33.3707, 0.3798, 0.2303

Rectangle

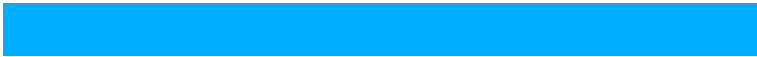
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.3707, 0.5023, 0.4394



33.3707, 0.3582, 0.5414



33.3707, 0.1423, 0.1823



33.3707, 0.2344, 0.1785

Sweetspot

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



33.3726, 0.5023, 0.4394



79.5840, 0.3658, 0.3787



15.4850, 0.5539, 0.2825



16.4933, 0.3745, 0.3859



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.3726, 0.5023, 0.4394



47.3083, 0.5032, 0.4387



60.9585, 0.3958, 0.5240



14.4289, 0.3276, 0.3439



20.2030, 0.5007, 0.4406



1.4703, 0.4840, 0.4539

Inverse Universe

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



10.6553, 0.1649, 0.1137



14.9459, 0.1645, 0.1122



5.3246, 0.1546, 0.0625



13.3859, 0.2981, 0.3137



6.5700, 0.1657, 0.1164



0.5861, 0.1748, 0.1494

Previews

White Background



This preview shows how the Yxy color 33.3707, 0.5023, 0.4394 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 33.3707, 0.5023, 0.4394 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 33.3707, 0.5023, 0.4394

Background



This preview shows how black text looks on a background with the Yxy color 33.3707, 0.5023, 0.4394.



This preview shows how white text looks on a background with the Yxy color 33.3707, 0.5023, 0.4394.

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

33.3707, 0.5023, 0.4394

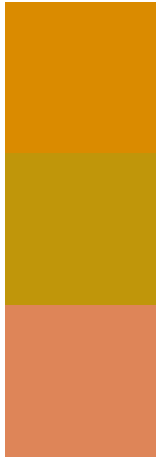
Protanopia

33.4955, 0.4382, 0.4848

Tritanopia

33.4119, 0.4109, 0.3174

Trichromacy



Original Color

33.3707, 0.5023, 0.4394

Protanomaly

33.0411, 0.4626, 0.4675

Tritanomaly

33.0092, 0.4642, 0.3804

Monochromacy



Original Color

33.3707, 0.5023, 0.4394

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.6389, 0.3969, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3707, 0.5023, 0.4394 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(218, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 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(218, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.3707, 0.5023, 0.4394 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(218, 139, 0) }
```

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

```
.border{ border-color:rgb(218, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(218, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 139,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 33.3707, 0.5023, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 0) }
```

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

```
.background{ background-color: rgb(218,  
139, 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