

Converting Colors

$Y_{xy}(33.3569, 0.4909, 0.4287)$

Have a look what the booklet for
Yxy(33.3569, 0.4909, 0.4287)
contains.

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Color

Yxy(33.3569, 0.4909, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	D98B26
RGB	217, 139, 38
RGB Percent	85%, 55%, 15%
CMY	0.1490, 0.4549, 0.8511
CMYK	0.00, 0.36, 0.83, 0.15
HSL	34°, 70%, 50%
HSV	34°, 83%, 85%
XYZ	38.1966, 33.3569, 6.2559
YIQ	150.8080, 78.9090, -14.8750

Conversions

Conversions Part 2

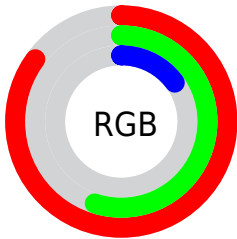
Format	Color
R_{YB}	176, 217, 38
Decimal	14256934
CIE Lab	64.45, 22.21, 61.53
CIE LCh	64, 65.418, 70.149
Yxy	33.3569, 0.4909, 0.4287
Android (android.graphics.Color)	4292447014 (0xFFD98B26)
YUV	150.8080, -55.6143, 58.0504
Hunter-Lab	57.7554, 16.9792, 34.0067

Details

The Yxy color **33.3569, 0.4909, 0.4287** 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 **17.9012, 0.1854, 0.1696**, and the grayscale version is **31.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1726, 0.4418, 0.4271**, and **14.2127, 0.5186, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **30.6368, 0.5105, 0.4270**, and if you desaturate by 10%, it is **36.3987, 0.4681, 0.4251**.

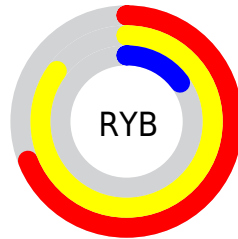
Distribution



Red (85%)

Green (55%)

Blue (15%)



Red (69%)

Yellow (85%)

Blue (15%)

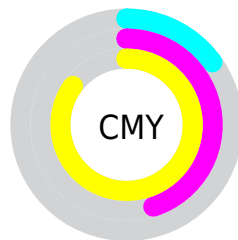


Cyan (0%)

Magenta (36%)

Yellow (83%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3569, 0.4909, 0.4287 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 33.3569, 0.4909, 0.4287 by changing the saturation by 10% instead.


 33.3569, 0.4909,
0.4287


 33.3569, 0.4909,
0.4287


317.2549, 0.4032,
0.3880


 22.4000, 0.5095,
0.4337


 64.9323, 0.4609,
0.4173


 14.1511, 0.5306,
0.4367


 86.3197, 0.4489,
0.4119


 8.2258, 0.5600,
0.4400


 111.9526, 0.4386,
0.4070

 4.2398, 0.5766,
0.4234

 142.2155, 0.4296,
0.4024

 1.8086, 0.6031,
0.3969

 177.4928, 0.4218,
0.3983

 0.4925, 0.6748,
0.3252

 218.1688, 0.4148,

 0.0000, 0.0000,

0.3945

0.0000

264.6281, 0.4087,
0.3911

■ 33.3569, 0.4909,
0.4287

■ 33.3569, 0.4909,
0.4287

■ 30.6368, 0.5105,
0.4270

■ 36.3987, 0.4681,
0.4251

■ 28.7860, 0.5233,
0.4227

■ 39.7751, 0.4436,
0.4169

■ 43.5037, 0.4188,
0.4053

■ 47.5987, 0.3947,
0.3915

■ 52.0734, 0.3722,
0.3767

■ 56.9401, 0.3516,
0.3615

■ 62.2103, 0.3330,
0.3466

■ 67.8951, 0.3165,
0.3324

■ 74.0050, 0.3020,
0.3191

Harmonies

Analogous

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



33.3569, 0.5102, 0.3583



33.3569, 0.4909, 0.4287



33.3569, 0.4238, 0.4935

Triad

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



33.3569, 0.4909, 0.4287



33.3569, 0.1772, 0.3452



33.3569, 0.2639, 0.1967

Complementary

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



33.3569, 0.4909, 0.4287



17.9012, 0.1854, 0.1696

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.



33.3569, 0.1918, 0.1829



33.3569, 0.4909, 0.4287



33.3569, 0.1485, 0.2493

Square

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



33.3569, 0.4909, 0.4287



33.3569, 0.2433, 0.4600



33.3569, 0.1542, 0.1978



33.3569, 0.3649, 0.2352

Rectangle

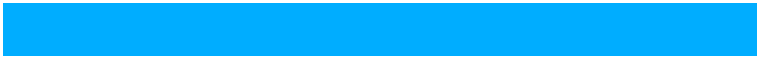
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.3569, 0.4909, 0.4287



33.3569, 0.3651, 0.5178



33.3569, 0.1542, 0.1978



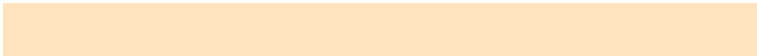
33.3569, 0.2360, 0.1892

Sweetspot

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



33.3586, 0.4909, 0.4287



80.0965, 0.3570, 0.3656



17.4559, 0.4724, 0.2529



16.6095, 0.3643, 0.3710



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.



33.3586, 0.4909, 0.4287



41.5254, 0.5228, 0.4225



63.1800, 0.4072, 0.5026



14.2648, 0.3278, 0.3422



17.6400, 0.5213, 0.4242



1.3131, 0.5002, 0.4410

Inverse Universe

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



17.9012, 0.1854, 0.1696



18.9400, 0.1711, 0.1354



6.9960, 0.1642, 0.0798



13.5457, 0.2982, 0.3155



8.1377, 0.1716, 0.1378



0.6966, 0.1805, 0.1696

Previews

White Background



This preview shows how the Yxy color 33.3569, 0.4909, 0.4287 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 33.3569, 0.4909, 0.4287 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 33.3569, 0.4909, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 33.3569, 0.4909, 0.4287.



This preview shows how white text looks on a background with the Yxy color 33.3569, 0.4909, 0.4287.

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

33.3569, 0.4909, 0.4287

Protanopia

33.5185, 0.4277, 0.4716

Deuteranopia

33.4750, 0.4624, 0.4546



Tritanopia

33.3589, 0.4083, 0.3185

Trichromacy



Original Color

33.3569, 0.4909, 0.4287

Protanomaly

33.0492, 0.4517, 0.4553

Deuteranomaly

33.2095, 0.4731, 0.4447

Tritanomaly

32.9500, 0.4475, 0.3659

Monochromacy



Original Color

33.3569, 0.4909, 0.4287

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1072, 0.3811, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3569, 0.4909, 0.4287 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(217, 139, 38)` looks like.

```
.text, #text, p{  
    color:rgb(217, 139, 38)  
}
```

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(217, 139, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 139, 38) }
```

Border

The CSS property to change the border of an element to Yxy 33.3569, 0.4909, 0.4287 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(217, 139, 38) }
```

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

```
.border{ border-color:rgb(217, 139, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 139, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 139, 38); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 139, 38); box-shadow:4px 4px 4px 4px rgb(217, 139, 38) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3569, 0.4909, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 139, 38) }
```

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

```
.background{ background-color: rgb(217,  
139, 38) }
```

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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