

Converting Colors

$Y_{xy}(33.1669, 0.4779, 0.4087)$

Have a look what the booklet for
Yxy(33.1669, 0.4779, 0.4087)
contains.

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Color

Yxy(33.1669, 0.4779, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	DA8940
RGB	218, 137, 64
RGB Percent	85%, 54%, 25%
CMY	0.1451, 0.4627, 0.7492
CMYK	0.00, 0.37, 0.71, 0.15
HSL	28°, 68%, 55%
HSV	28°, 71%, 85%
XYZ	38.7826, 33.1669, 9.2027
YIQ	152.8970, 71.7090, -5.5310

Conversions

Conversions Part 2

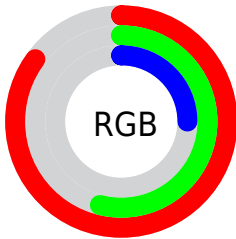
Format	Color
R _Y B	218, 203, 64
Decimal	14321984
CIE Lab	64.30, 24.75, 50.67
CIE LCh	64, 56.393, 63.966
Yxy	33.1669, 0.4779, 0.4087
Android (android.graphics.Color)	4292512064 (0xFFDA8940)
YUV	152.8970, -43.8262, 57.0953
Hunter-Lab	57.5907, 19.4214, 30.8393

Details

The Yxy color **33.1669, 0.4779, 0.4087** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **26.3857, 0.2050, 0.2174**, and the grayscale version is **31.9787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7594, 0.4279, 0.4061**, and **14.1074, 0.5203, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **29.8795, 0.5056, 0.4113**, and if you desaturate by 10%, it is **36.9008, 0.4491, 0.4018**.

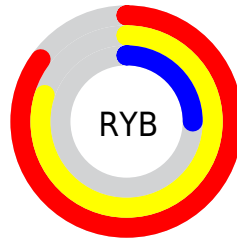
Distribution



Red (85%)

Green (54%)

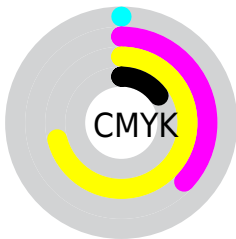
Blue (25%)



Red (85%)

Yellow (80%)

Blue (25%)

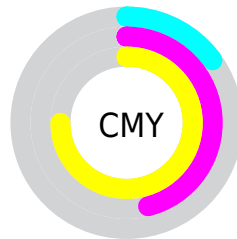


Cyan (0%)

Magenta (37%)

Yellow (71%)

Black (15%)



Cyan (15%)


Magenta (46%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1669, 0.4779, 0.4087 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 33.1669, 0.4779, 0.4087 by changing the saturation by 10% instead.


 33.1669, 0.4779,
0.4087


 33.1669, 0.4779,
0.4087


316.4011, 0.3937,
0.3750

 22.2543, 0.4976,
0.4136


 64.6360, 0.4479,
0.3987

 14.0439, 0.5213,
0.4175


 85.9613, 0.4363,
0.3942


 8.1512, 0.5507,
0.4189


 111.5264, 0.4265,
0.3902

 4.1919, 0.5863,
0.4137

 141.7155, 0.4181,
0.3865

 1.7815, 0.6154,
0.3846

 176.9132, 0.4107,
0.3832

 0.4756, 0.6933,
0.3067

217.5038, 0.4043,

 0.0000, 1.0000,

0.3802

0.0000

263.8716, 0.3987,
0.3775

■ 0.0000, 0.0000,
0.0000

■ 33.1669, 0.4779,
0.4087

■ 33.1669, 0.4779,
0.4087

■ 29.8795, 0.5056,
0.4113

■ 36.9008, 0.4491,
0.4018

■ 27.0107, 0.5303,
0.4085

■ 41.0965, 0.4208,
0.3917

■ 24.6808, 0.5499,
0.4016

■ 45.7745, 0.3944,
0.3798

■ 50.9520, 0.3703,
0.3670

■ 56.6455, 0.3489,
0.3541

■ 62.8704, 0.3301,
0.3416

■ 69.6415, 0.3137,
0.3298

■ 76.9729, 0.2995,
0.3187

■ 84.5413, 0.2900,
0.3137

Harmonies

Analogous

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



33.1669, 0.4807, 0.3458



33.1669, 0.4779, 0.4087



33.1669, 0.4280, 0.4659

Triad

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



33.1669, 0.4779, 0.4087



33.1669, 0.2036, 0.3647



33.1669, 0.2550, 0.2065

Complementary

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



33.1669, 0.4779, 0.4087



26.3857, 0.2050, 0.2174

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.



33.1669, 0.1961, 0.1995



33.1669, 0.4779, 0.4087



33.1669, 0.1694, 0.2756

Square

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



33.1669, 0.4779, 0.4087



33.1669, 0.2694, 0.4558



33.1669, 0.1677, 0.2205



33.1669, 0.3397, 0.2372

Rectangle

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



33.1669, 0.4779, 0.4087



33.1669, 0.3788, 0.4894



33.1669, 0.1677, 0.2205



33.1669, 0.2320, 0.2014

Sweetspot

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



33.1686, 0.4779, 0.4087



80.3517, 0.3500, 0.3548



20.6463, 0.4183, 0.2403



16.7006, 0.3557, 0.3584



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.



33.1686, 0.4779, 0.4087



40.4629, 0.5187, 0.4105



62.7927, 0.4106, 0.4811



14.0649, 0.3280, 0.3401



14.9995, 0.5475, 0.4034



1.1435, 0.5213, 0.4243

Inverse Universe

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



26.3857, 0.2050, 0.2174



30.1618, 0.1893, 0.1895



10.4189, 0.1783, 0.1099



13.7446, 0.2982, 0.3176



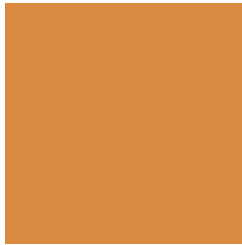
10.5437, 0.1798, 0.1672



0.8552, 0.1877, 0.1956

Previews

White Background



This preview shows how the Yxy color 33.1669, 0.4779, 0.4087 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 33.1669, 0.4779, 0.4087 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 33.1669, 0.4779, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 33.1669, 0.4779, 0.4087.



This preview shows how white text looks on a background with the Yxy color 33.1669, 0.4779, 0.4087.

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

33.1669, 0.4779, 0.4087

Protanopia

33.5548, 0.4092, 0.4484

Deuteranopia

33.4339, 0.4451, 0.4365



Tritanopia

33.2235, 0.4111, 0.3186

Trichromacy



Original Color

33.1669, 0.4779, 0.4087

Protanomaly

33.1772, 0.4339, 0.4338

Deuteranomaly

33.2951, 0.4566, 0.4267

Tritanomaly

33.0224, 0.4392, 0.3543

Monochromacy



Original Color

33.1669, 0.4779, 0.4087

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.5950, 0.3718, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1669, 0.4779, 0.4087 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, 137, 64)` looks like.

```
.text, #text, p{  
    color:rgb(218, 137, 64)  
}
```

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, 137, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 137, 64) }
```

Border

The CSS property to change the border of an element to Yxy 33.1669, 0.4779, 0.4087 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, 137, 64) }
```

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

```
.border{ border-color:rgb(218, 137, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 137, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 137, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 137, 64);  
box-shadow:4px 4px 4px 4px rgb(218, 137,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1669, 0.4779, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 137, 64) }
```

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

```
.background{ background-color: rgb(218,  
137, 64) }
```

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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