

Converting Colors

$Y_{xy}(33.8067, 0.4536, 0.3769)$

Have a look what the booklet for
Yxy(33.8067, 0.4536, 0.3769)
contains.

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Color

Yxy(33.8067, 0.4536, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	DD885F
RGB	221, 136, 95
RGB Percent	87%, 53%, 37%
CMY	0.1334, 0.4666, 0.6275
CMYK	0.00, 0.38, 0.57, 0.13
HSL	20°, 65%, 62%
HSV	20°, 57%, 87%
XYZ	40.6864, 33.8067, 15.2036
YIQ	156.7410, 63.8210, 5.2690

Conversions

Conversions Part 2

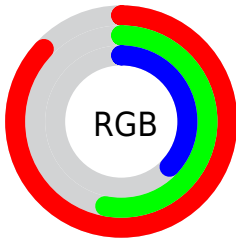
Format	Color
R _Y B	221, 156, 95
Decimal	14518367
CIE Lab	64.81, 28.51, 35.57
CIE LCh	65, 45.584, 51.283
Yxy	33.8067, 0.4536, 0.3769
Android (android.graphics.Color)	4292708447 (0xFFDD885F)
YUV	156.7410, -30.4383, 56.3551
Hunter-Lab	58.1435, 23.1557, 25.1971

Details

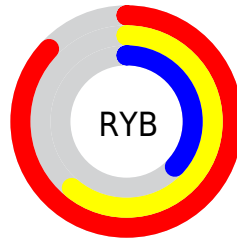
The Yxy color **33.8067, 0.4536, 0.3769** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **40.2815, 0.2291, 0.2708**, and the grayscale version is **33.7129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1622, 0.4043, 0.3751**, and **14.3836, 0.4973, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **29.5513, 0.4892, 0.3818**, and if you desaturate by 10%, it is **38.7633, 0.4204, 0.3697**.

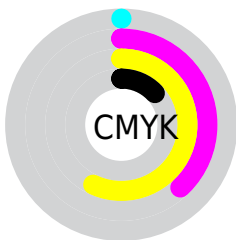
Distribution



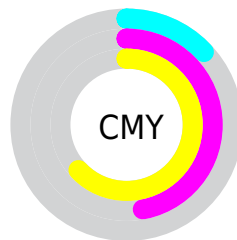
- Red (87%)
- Green (53%)
- Blue (37%)



- Red (87%)
- Yellow (61%)
- Blue (37%)



- Cyan (0%)
- Magenta (38%)
- Yellow (57%)
- Black (13%)



- Cyan (13%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8067, 0.4536, 0.3769 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 33.8067, 0.4536, 0.3769 by changing the saturation by 10% instead.


 33.8067, 0.4536,
0.3769

 33.8067, 0.4536,
0.3769


319.2693, 0.3797,
0.3565


 22.7451, 0.4724,
0.3802


 65.6330, 0.4263,
0.3706


 14.4054, 0.4965,
0.3832


 87.1664, 0.4161,
0.3679

 8.4032, 0.5277,
0.3846


 112.9594, 0.4076,
0.3655

 4.3540, 0.5721,
0.3835

 143.3961, 0.4004,
0.3633

 1.8735, 0.6301,
0.3699

178.8611, 0.3941,
0.3613

 0.5324, 0.7023,
0.2977

219.7387, 0.3887,

 0.0000, 1.0000,

0.3595

0.0000

266.4133, 0.3839,
0.3579

0.0000, 0.0000,
0.0000

33.8067, 0.4536,
0.3769

33.8067, 0.4536,
0.3769

29.5513, 0.4892,
0.3818

38.7633, 0.4204,
0.3697

25.9581, 0.5250,
0.3829

44.4473, 0.3907,
0.3611

22.9915, 0.5579,
0.3795

50.8897, 0.3649,
0.3521

20.6089, 0.5846,
0.3711

58.1180, 0.3429,
0.3432

19.9994, 0.5918,
0.3683

66.1585, 0.3241,
0.3347

■ 75.0358, 0.3083,
0.3267

■ 84.7739, 0.2949,
0.3193

■ 94.1110, 0.2923,
0.3289

Harmonies

Analogous

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



33.8067, 0.4348, 0.3239



33.8067, 0.4536, 0.3769



33.8067, 0.4298, 0.4264

Triad

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



33.8067, 0.4536, 0.3769



33.8067, 0.2448, 0.3903



33.8067, 0.2421, 0.2217

Complementary

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



33.8067, 0.4536, 0.3769



40.2815, 0.2291, 0.2708

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.



33.8067, 0.2026, 0.2263



33.8067, 0.4536, 0.3769



33.8067, 0.2031, 0.3156

Square

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



33.8067, 0.4536, 0.3769



33.8067, 0.3077, 0.4473



33.8067, 0.1891, 0.2571



33.8067, 0.3047, 0.2395

Rectangle

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



33.8067, 0.4536, 0.3769



33.8067, 0.3960, 0.4504



33.8067, 0.1891, 0.2571



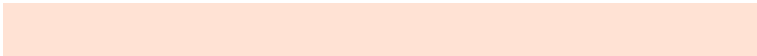
33.8067, 0.2261, 0.2205

Sweetspot

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



33.8084, 0.4536, 0.3769



80.2602, 0.3431, 0.3433



26.8928, 0.3647, 0.2321



16.7270, 0.3473, 0.3451



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.



33.8084, 0.4536, 0.3769



40.0560, 0.4947, 0.3822



56.5356, 0.4080, 0.4431



13.7404, 0.3283, 0.3367



11.8026, 0.5890, 0.3706



0.9186, 0.5570, 0.3959

Inverse Universe

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



40.2815, 0.2291, 0.2708



49.6334, 0.2162, 0.2566



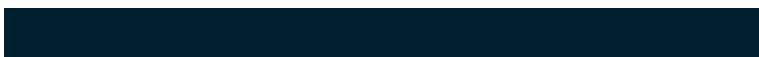
20.6295, 0.2091, 0.1779



14.0777, 0.2982, 0.3212



15.7423, 0.1943, 0.2195



1.1741, 0.1999, 0.2394

Previews

White Background



This preview shows how the Yxy color 33.8067, 0.4536, 0.3769 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 33.8067, 0.4536, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

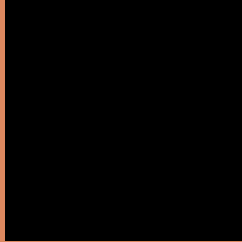
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8067, 0.4536, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 33.8067, 0.4536, 0.3769.



This preview shows how white text looks on a background with the Yxy color 33.8067, 0.4536, 0.3769.

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

33.8067, 0.4536, 0.3769

Protanopia

34.0909, 0.3777, 0.4092

Deuteranopia

33.7919, 0.4156, 0.4062



Tritanopia

33.7060, 0.4092, 0.3174

Trichromacy



Original Color

33.8067, 0.4536, 0.3769

Protanomaly

33.5516, 0.4048, 0.3972

Deuteranomaly

33.7376, 0.4301, 0.3951

Tritanomaly

33.6457, 0.4262, 0.3388

Monochromacy



Original Color

33.8067, 0.4536, 0.3769

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.9194, 0.3607, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8067, 0.4536, 0.3769 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(221, 136, 95)` looks like.

```
.text, #text, p{  
    color:rgb(221, 136, 95)  
}
```

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(221, 136, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 136, 95) }
```

Border

The CSS property to change the border of an element to Yxy 33.8067, 0.4536, 0.3769 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(221, 136, 95) }
```

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

```
.border{ border-color:rgb(221, 136, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 136, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 136, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 136, 95);  
box-shadow:4px 4px 4px 4px rgb(221, 136,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8067, 0.4536, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 136, 95) }
```

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

```
.background{ background-color: rgb(221,  
136, 95) }
```

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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