

Converting Colors

$Y_{xy}(33.2519, 0.4557, 0.3830)$

Have a look what the booklet for
Yxy(33.2519, 0.4557, 0.3830)
contains.

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Color

Yxy(33.2519, 0.4557, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	DA885A
RGB	218, 136, 90
RGB Percent	85%, 53%, 35%
CMY	0.1451, 0.4666, 0.6471
CMYK	0.00, 0.38, 0.59, 0.15
HSL	22°, 63%, 60%
HSV	22°, 59%, 85%
XYZ	39.5637, 33.2519, 14.0040
YIQ	155.2740, 63.6380, 3.0780

Conversions

Conversions Part 2

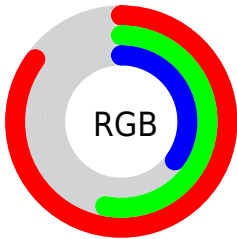
Format	Color
R_{YB}	218, 162, 90
Decimal	14321754
CIE _{Lab}	64.36, 26.93, 37.60
CIE _{LCh}	64, 46.252, 54.393
Yxy	33.2519, 0.4557, 0.3830
Android (android.graphics.Color)	4292511834 (0xFFDA885A)
YUV	155.2740, -32.1801, 55.0107
Hunter-Lab	57.6645, 21.5563, 25.9664

Details

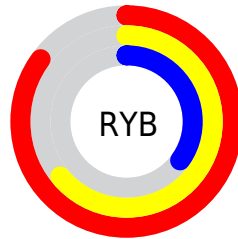
The Yxy color **33.2519, 0.4557, 0.3830** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **36.7376, 0.2257, 0.2622**, and the grayscale version is **33.0310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0100, 0.4084, 0.3802**, and **14.0351, 0.4997, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **29.2545, 0.4899, 0.3881**, and if you desaturate by 10%, it is **37.8740, 0.4234, 0.3752**.

Distribution



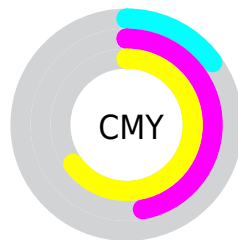
- Red (85%)
- Green (53%)
- Blue (35%)



- Red (85%)
- Yellow (64%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (59%)
- Black (15%)





- Cyan (15%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2519, 0.4557, 0.3830 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 33.2519, 0.4557, 0.3830 by changing the saturation by 10% instead.


 33.2519, 0.4557,
0.3830


 33.2519, 0.4557,
0.3830


316.7833, 0.3808,
0.3596

 22.3195, 0.4747,
0.3869


 64.7686, 0.4281,
0.3758

 14.0918, 0.4987,
0.3905


 86.1217, 0.4178,
0.3726

 8.1846, 0.5297,
0.3924


 111.7171, 0.4091,
0.3698

 4.2133, 0.5770,
0.3942

 141.9393, 0.4018,
0.3673

 1.7936, 0.6249,
0.3751

177.1726, 0.3954,
0.3651

 0.4832, 0.7037,
0.2963

217.8014, 0.3899,

 0.0000, 1.0000,

0.3631

0.0000

264.2102, 0.3851,
0.3612

0.0000, 0.0000,
0.0000

33.2519, 0.4557,
0.3830

33.2519, 0.4557,
0.3830

29.2545, 0.4899,
0.3881

37.8740, 0.4234,
0.3752

25.8473, 0.5238,
0.3892

43.1430, 0.3941,
0.3660

22.9995, 0.5545,
0.3853

49.0861, 0.3683,
0.3561

20.6708, 0.5797,
0.3767

55.7271, 0.3460,
0.3463

20.4057, 0.5827,
0.3755

63.0888, 0.3270,
0.3368

■ 71.1928, 0.3108,
0.3279

■ 80.0597, 0.2970,
0.3197

■ 89.0894, 0.2903,
0.3215

■ 93.6460, 0.2906,
0.3289

Harmonies

Analogous

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



33.2519, 0.4413, 0.3291



33.2519, 0.4557, 0.3830



33.2519, 0.4273, 0.4325

Triad

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



33.2519, 0.4557, 0.3830



33.2519, 0.2378, 0.3838



33.2519, 0.2464, 0.2207

Complementary

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



33.2519, 0.4557, 0.3830



36.7376, 0.2257, 0.2622

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.



33.2519, 0.2036, 0.2228



33.2519, 0.4557, 0.3830



33.2519, 0.1983, 0.3079

Square

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



33.2519, 0.4557, 0.3830



33.2519, 0.3002, 0.4459



33.2519, 0.1872, 0.2510



33.2519, 0.3120, 0.2410

Rectangle

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



33.2519, 0.4557, 0.3830



33.2519, 0.3911, 0.4553



33.2519, 0.1872, 0.2510



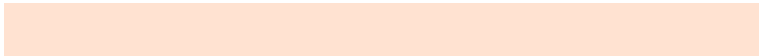
33.2519, 0.2293, 0.2187

Sweetspot

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



33.2536, 0.4557, 0.3830



80.0427, 0.3449, 0.3457



25.2420, 0.3724, 0.2342



16.5112, 0.3510, 0.3486



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.



33.2536, 0.4557, 0.3830



40.7381, 0.4964, 0.3886



56.3999, 0.4078, 0.4498



13.8137, 0.3283, 0.3375



12.4107, 0.5800, 0.3776



0.9640, 0.5489, 0.4024

Inverse Universe

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



36.7376, 0.2257, 0.2622



45.9694, 0.2121, 0.2458



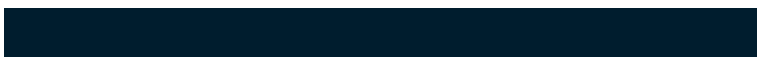
18.2143, 0.2047, 0.1667



14.0013, 0.2982, 0.3204



14.4177, 0.1910, 0.2074



1.0950, 0.1971, 0.2295

Previews

White Background



This preview shows how the Yxy color 33.2519, 0.4557, 0.3830 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 33.2519, 0.4557, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

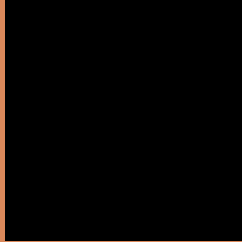
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2519, 0.4557, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 33.2519, 0.4557, 0.3830.



This preview shows how white text looks on a background with the Yxy color 33.2519, 0.4557, 0.3830.

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

33.2519, 0.4557, 0.3830

Protanopia

33.3167, 0.3834, 0.4136

Deuteranopia

33.2594, 0.4199, 0.4113



Tritanopia

33.2015, 0.4073, 0.3184

Trichromacy



Original Color

33.2519, 0.4557, 0.3830

Protanomaly

33.0125, 0.4092, 0.4026

Deuteranomaly

33.0686, 0.4336, 0.4003

Tritanomaly

33.0986, 0.4266, 0.3426

Monochromacy



Original Color

33.2519, 0.4557, 0.3830

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2835, 0.3620, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2519, 0.4557, 0.3830 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, 136, 90)` looks like.

```
.text, #text, p{  
    color:rgb(218, 136, 90)  
}
```

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, 136, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 136, 90) }
```

Border

The CSS property to change the border of an element to Yxy 33.2519, 0.4557, 0.3830 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, 136, 90) }
```

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

```
.border{ border-color:rgb(218, 136, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 136, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 136, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 136, 90);  
box-shadow:4px 4px 4px 4px rgb(218, 136,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2519, 0.4557, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 136, 90) }
```

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

```
.background{ background-color: rgb(218,  
136, 90) }
```

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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