

Converting Colors

$Y_{xy}(33.1285, 0.4646, 0.3932)$

Have a look what the booklet for
Yxy(33.1285, 0.4646, 0.3932)
contains.

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Color

Yxy(33.0929, 0.4653, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	DA8850
RGB	218, 136, 80
RGB Percent	85%, 53%, 31%
CMY	0.1452, 0.4666, 0.6863
CMYK	0.00, 0.38, 0.63, 0.15
HSL	24°, 65%, 58%
HSV	24°, 63%, 85%
XYZ	39.1611, 33.0929, 11.9091
YIQ	154.1340, 66.8480, -0.0320

Conversions

Conversions Part 2

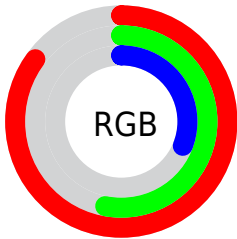
Format	Color
R_{YB}	218, 174, 80
Decimal	14321744
CIE _{Lab}	64.24, 26.21, 42.69
CIE _{LCh}	64, 50.096, 58.451
Yxy	33.0929, 0.4653, 0.3932
Android (android.graphics.Color)	4292511824 (0xFFDA8850)
YUV	154.1340, -36.5481, 56.0105
Hunter-Lab	57.5264, 20.8424, 27.9943

Details

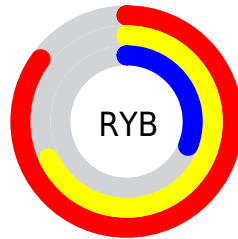
The Yxy color **33.0929, 0.4653, 0.3932** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.5875, 0.2178, 0.2459**, and the grayscale version is **32.5189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7256, 0.4164, 0.3901**, and **13.9722, 0.5102, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **29.3932, 0.4974, 0.3976**, and if you desaturate by 10%, it is **37.3410, 0.4339, 0.3854**.

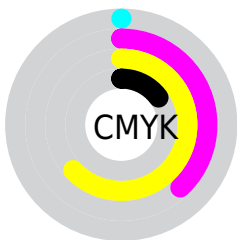
Distribution



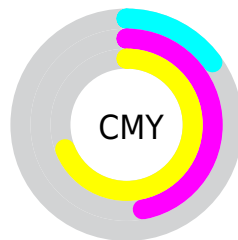
- Red (85%)
- Green (53%)
- Blue (31%)



- Red (85%)
- Yellow (68%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (63%)
- Black (15%)





- Cyan (15%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0929, 0.4653, 0.3932 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 33.0929, 0.4653, 0.3932 by changing the saturation by 10% instead.


 33.0929, 0.4653,
0.3932


 33.0929, 0.4653,
0.3932


316.0681, 0.3860,
0.3656

 22.1976, 0.4849,
0.3976


 64.5205, 0.4364,
0.3848


 14.0022, 0.5092,
0.4015


 85.8217, 0.4255,
0.3811

 8.1222, 0.5397,
0.4030


 111.3603, 0.4163,
0.3777

 4.1732, 0.5918,
0.4082

 141.5206, 0.4085,
0.3748

 1.7709, 0.6222,
0.3778

 176.6872, 0.4017,
0.3721

 0.4690, 0.7030,
0.2970

217.2444, 0.3958,

 0.0000, 1.0000,

0.3697

0.0000

263.5766, 0.3906,
0.3675

0.0000, 0.0000,
0.0000

33.0929, 0.4653,
0.3932

33.0929, 0.4653,
0.3932

29.3932, 0.4974,
0.3976

37.3410, 0.4339,
0.3854

26.2107, 0.5279,
0.3974

42.1564, 0.4047,
0.3755

23.5179, 0.5545,
0.3918

47.5632, 0.3784,
0.3647

21.9664, 0.5698,
0.3858

53.5822, 0.3552,
0.3535

60.2332, 0.3351,
0.3426

■ 67.5351, 0.3179,
0.3323

■ 75.5058, 0.3031,
0.3226

■ 84.1626, 0.2904,
0.3137

■ 92.0830, 0.2905,
0.3264

Harmonies

Analogous

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



33.0929, 0.4572, 0.3357



33.0929, 0.4653, 0.3932



33.0929, 0.4285, 0.4455

Triad

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



33.0929, 0.4653, 0.3932



33.0929, 0.2242, 0.3771



33.0929, 0.2494, 0.2148

Complementary

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



33.0929, 0.4653, 0.3932



32.5875, 0.2178, 0.2459

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.



33.0929, 0.2003, 0.2132



33.0929, 0.4653, 0.3932



33.0929, 0.1865, 0.2953

Square

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



33.0929, 0.4653, 0.3932



33.0929, 0.2884, 0.4505



33.0929, 0.1791, 0.2386



33.0929, 0.3224, 0.2392

Rectangle

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



33.0929, 0.4653, 0.3932



33.0929, 0.3870, 0.4687



33.0929, 0.1791, 0.2386



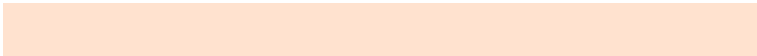
33.0929, 0.2300, 0.2115

Sweetspot

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



33.0946, 0.4653, 0.3932



80.2572, 0.3465, 0.3490



23.2738, 0.3889, 0.2359



16.6053, 0.3525, 0.3521



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.



33.0946, 0.4653, 0.3932



40.3239, 0.5080, 0.3981



58.7538, 0.4096, 0.4629



13.9153, 0.3281, 0.3385



13.3616, 0.5672, 0.3879



1.0321, 0.5376, 0.4113

Inverse Universe

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



32.5875, 0.2178, 0.2459



39.3897, 0.2029, 0.2247



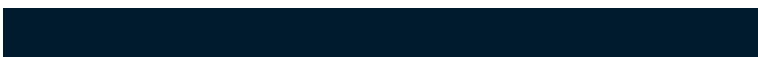
14.7323, 0.1940, 0.1433



13.8966, 0.2982, 0.3193



12.7313, 0.1864, 0.1909



0.9924, 0.1933, 0.2157

Previews

White Background



This preview shows how the Yxy color 33.0929, 0.4653, 0.3932 looks on a white background.

Color Contrast Check

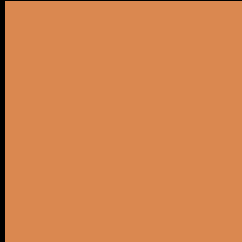
Large Text (above 18pt) WCAG AA × Fail

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 33.0929, 0.4653, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

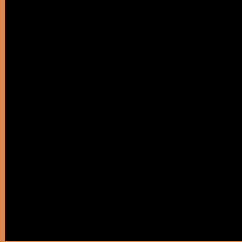
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0929, 0.4653, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 33.0929, 0.4653, 0.3932.



This preview shows how white text looks on a background with the Yxy color 33.0929, 0.4653, 0.3932.

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

33.0929, 0.4653, 0.3932

Protanopia

33.2357, 0.3942, 0.4279

Deuteranopia

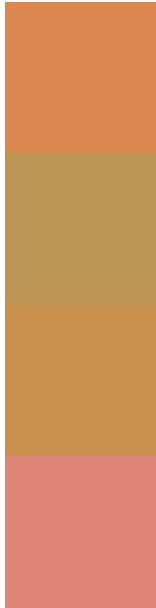
33.2372, 0.4297, 0.4222



Tritanopia

33.0942, 0.4088, 0.3173

Trichromacy



Original Color

33.0929, 0.4653, 0.3932

Protanomaly

32.9538, 0.4205, 0.4157

Deuteranomaly

32.9141, 0.4427, 0.4112

Tritanomaly

33.1827, 0.4311, 0.3461

Monochromacy



Original Color

33.0929, 0.4653, 0.3932

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7469, 0.3655, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0929, 0.4653, 0.3932 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(218, 136, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 136, 80) }
```

Border

The CSS property to change the border of an element to Yxy 33.0929, 0.4653, 0.3932 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, 80) }
```

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

```
.border{ border-color:rgb(218, 136, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 136, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 136, 80);  
box-shadow:4px 4px 4px 4px rgb(218, 136,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0929, 0.4653, 0.3932 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, 80) }
```

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

```
.background{ background-color: rgb(218,  
136, 80) }
```

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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