

Converting Colors

$Y_{xy}(32.9832, 0.4864, 0.4027)$

Have a look what the booklet for
Yxy(32.9832, 0.4864, 0.4027)
contains.

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Color

Yxy(33.1083, 0.4856, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	DF8640
RGB	223, 134, 64
RGB Percent	87%, 53%, 25%
CMY	0.1255, 0.4745, 0.7489
CMYK	0.00, 0.40, 0.71, 0.13
HSL	26°, 71%, 56%
HSV	26°, 71%, 87%
XYZ	39.8844, 33.1083, 9.1415
YIQ	152.6310, 75.5140, -2.9020

Conversions

Conversions Part 2

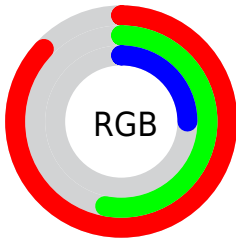
Format	Color
R _Y B	223, 189, 64
Decimal	14648896
CIE Lab	64.25, 28.43, 50.78
CIE LCh	64, 58.202, 60.755
Yxy	33.1083, 0.4856, 0.4031
Android (android.graphics.Color)	4292838976 (0xFFDF8640)
YUV	152.6310, -43.6951, 61.7136
Hunter-Lab	57.5398, 23.0346, 30.8583

Details

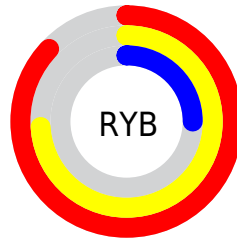
The Yxy color **33.1083, 0.4856, 0.4031** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.2103, 0.2063, 0.2245**, and the grayscale version is **31.8570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4642, 0.4298, 0.4032**, and **13.9950, 0.5325, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **29.6549, 0.5150, 0.4046**, and if you desaturate by 10%, it is **37.0741, 0.4551, 0.3972**.

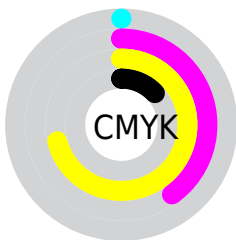
Distribution



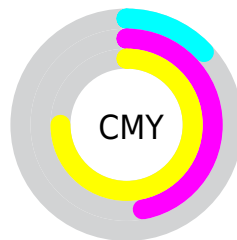
- Red (87%)
- Green (53%)
- Blue (25%)



- Red (87%)
- Yellow (74%)
- Blue (25%)



- Cyan (0%)
- Magenta (40%)
- Yellow (71%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1083, 0.4856, 0.4031 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 33.1083, 0.4856, 0.4031 by changing the saturation by 10% instead.


 33.1083, 0.4856,
0.4031


 33.1083, 0.4856,
0.4031

316.1375, 0.3973,
0.3730


 22.2094, 0.5063,
0.4069


 64.5446, 0.4541,
0.3946

 14.0109, 0.5313,
0.4093


 85.8508, 0.4420,
0.3906

 8.1282, 0.5623,
0.4086


 111.3948, 0.4317,
0.3869

 4.1771, 0.5998,
0.4002

 141.5612, 0.4228,
0.3836

 1.7731, 0.6321,
0.3679

 176.7343, 0.4152,
0.3805

 0.4703, 0.7147,
0.2853

217.2984, 0.4085,

 0.0000, 1.0000,

0.3778

0.0000

263.6380, 0.4026,
0.3753

■ 0.0000, 0.0000,
0.0000

■ 33.1083, 0.4856,
0.4031

■ 33.1083, 0.4856,
0.4031

■ 29.6549, 0.5150,
0.4046

■ 37.0741, 0.4551,
0.3972

■ 26.6816, 0.5410,
0.4007


■ 41.5713, 0.4254,
0.3881

■ 24.4546, 0.5601,
0.3934

■ 46.6239, 0.3977,
0.3771

■ 52.2526, 0.3727,
0.3652

■ 58.4768, 0.3506,
0.3531

 65.3150, 0.3314,
0.3415

 72.7847, 0.3147,
0.3304

 80.9027, 0.3003,
0.3201

 89.0426, 0.2933,
0.3202

Harmonies

Analogous

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



33.1083, 0.4829, 0.3388



33.1083, 0.4856, 0.4031



33.1083, 0.4379, 0.4638

Triad

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



33.1083, 0.4856, 0.4031



33.1083, 0.2061, 0.3768



33.1083, 0.2452, 0.2014

Complementary

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



33.1083, 0.4856, 0.4031



29.2103, 0.2063, 0.2245

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.



33.1083, 0.1884, 0.1969



33.1083, 0.4856, 0.4031



33.1083, 0.1677, 0.2818

Square

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



33.1083, 0.4856, 0.4031



33.1083, 0.2763, 0.4681



33.1083, 0.1627, 0.2214



33.1083, 0.3302, 0.2304

Rectangle

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



33.1083, 0.4856, 0.4031



33.1083, 0.3887, 0.4918



33.1083, 0.1627, 0.2214



33.1083, 0.2228, 0.1970

Sweetspot

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



33.1100, 0.4856, 0.4031



79.3599, 0.3503, 0.3530



21.6952, 0.4115, 0.2343



16.4657, 0.3562, 0.3563



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.



33.1100, 0.4856, 0.4031



37.9499, 0.5294, 0.4032



63.3514, 0.4150, 0.4780



14.6884, 0.3281, 0.3394



14.5947, 0.5576, 0.3955



1.1878, 0.5311, 0.4165

Inverse Universe

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



29.2103, 0.2063, 0.2245



32.2049, 0.1913, 0.1982



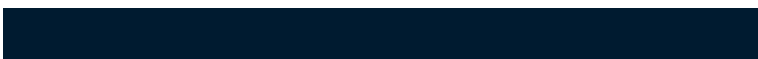
11.3994, 0.1786, 0.1135



14.5098, 0.2981, 0.3184



11.9625, 0.1830, 0.1788



1.0067, 0.1900, 0.2040

Previews

White Background



This preview shows how the Yxy color 33.1083, 0.4856, 0.4031 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 33.1083, 0.4856, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

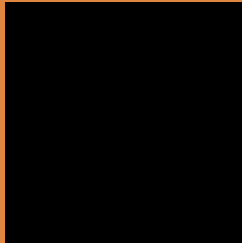
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1083, 0.4856, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 33.1083, 0.4856, 0.4031.



This preview shows how white text looks on a background with the Yxy color 33.1083, 0.4856, 0.4031.

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

33.1083, 0.4856, 0.4031

Protanopia

33.1161, 0.4082, 0.4467

Deuteranopia

33.1082, 0.4468, 0.4362



Tritanopia

33.0019, 0.4204, 0.3188

Trichromacy



Original Color

33.1083, 0.4856, 0.4031

Protanomaly

32.6735, 0.4368, 0.4309

Deuteranomaly

32.9610, 0.4613, 0.4243

Tritanomaly

32.9734, 0.4486, 0.3524

Monochromacy



Original Color

33.1083, 0.4856, 0.4031

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.4032, 0.3733, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1083, 0.4856, 0.4031 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(223, 134, 64)` looks like.

```
.text, #text, p{  
    color:rgb(223, 134, 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(223, 134, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 134, 64) }
```

Border

The CSS property to change the border of an element to Yxy 33.1083, 0.4856, 0.4031 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(223, 134, 64) }
```

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

```
.border{ border-color:rgb(223, 134, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 134, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 134, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 134, 64);  
box-shadow:4px 4px 4px 4px rgb(223, 134,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1083, 0.4856, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 134, 64) }
```

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

```
.background{ background-color: rgb(223,  
134, 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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