

Converting Colors

$Yxy(31.9361, 0.4753, 0.4094)$

Have a look what the booklet for
Yxy(31.9361, 0.4753, 0.4094)
contains.

Yxy(31.8442, 0.4752, 0.4087)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.8442, 0.4752, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	D58740
RGB	213, 135, 64
RGB Percent	84%, 53%, 25%
CMY	0.1648, 0.4705, 0.7490
CMYK	0.00, 0.37, 0.70, 0.16
HSL	29°, 64%, 54%
HSV	29°, 70%, 84%
XYZ	37.0256, 31.8442, 9.0460
YIQ	150.2280, 69.2790, -5.5450

Conversions

Conversions Part 2

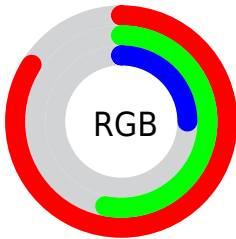
Format	Color
R _Y B	213, 200, 64
Decimal	13993792
CIE Lab	63.21, 23.73, 49.31
CIE LCh	63, 54.718, 64.302
Yxy	31.8442, 0.4752, 0.4087
Android (android.graphics.Color)	4292183872 (0xFFD58740)
YUV	150.2280, -42.5104, 55.0510
Hunter-Lab	56.4307, 18.3648, 29.9971

Details

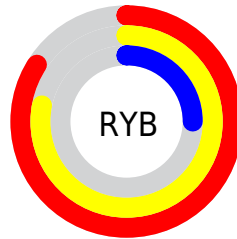
The Yxy color **31.8442, 0.4752, 0.4087** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **25.2295, 0.2058, 0.2183**, and the grayscale version is **30.7645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8930, 0.4291, 0.4042**, and **13.2935, 0.5179, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **28.6982, 0.5029, 0.4117**, and if you desaturate by 10%, it is **35.4116, 0.4465, 0.4014**.

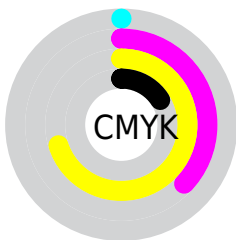
Distribution



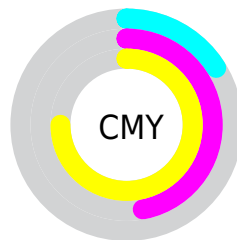
- Red (84%)
- Green (53%)
- Blue (25%)



- Red (84%)
- Yellow (78%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (70%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8442, 0.4752, 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 31.8442, 0.4752, 0.4087 by changing the saturation by 10% instead.


 31.8442, 0.4752,
0.4087


 31.8442, 0.4752,
0.4087


310.4089, 0.3917,
0.3744


 21.2425, 0.4950,
0.4139


 62.5668, 0.4452,
0.3984

 13.3014, 0.5189,
0.4182


 83.4564, 0.4338,
0.3938


 7.6364, 0.5491,
0.4203


 108.5442, 0.4240,
0.3896

 3.8632, 0.5850,
0.4150

 138.2146, 0.4157,
0.3859

 1.5973, 0.6147,
0.3853

 172.8518, 0.4085,
0.3826

 0.3558, 0.7210,
0.2790

212.8403, 0.4022,

 0.0000, 0.0000,

0.3795

0.0000

258.5646, 0.3966,
0.3768

■ 31.8442, 0.4752,
0.4087

■ 31.8442, 0.4752,
0.4087

■ 28.6982, 0.5029,
0.4117

■ 35.4116, 0.4465,
0.4014

■ 25.9477, 0.5278,
0.4095

■ 39.4146, 0.4185,
0.3911

■ 23.5635, 0.5489,
0.4023

■ 43.8721, 0.3923,
0.3790

■ 23.5519, 0.5490,
0.4023

■ 48.8004, 0.3686,
0.3662

■ 54.2148, 0.3474,
0.3533

■ 60.1297, 0.3288,
0.3408

■ 66.5589, 0.3126,
0.3289

■ 73.5156, 0.2986,
0.3179

■ 80.9681, 0.2868,
0.3084

Harmonies

Analogous

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



31.8442, 0.4783, 0.3466



31.8442, 0.4752, 0.4087



31.8442, 0.4259, 0.4646

Triad

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



31.8442, 0.4752, 0.4087



31.8442, 0.2047, 0.3631



31.8442, 0.2567, 0.2084

Complementary

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



31.8442, 0.4752, 0.4087



25.2295, 0.2058, 0.2183

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.



31.8442, 0.1982, 0.2012



31.8442, 0.4752, 0.4087



31.8442, 0.1712, 0.2758

Square

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



31.8442, 0.4752, 0.4087



31.8442, 0.2694, 0.4526



31.8442, 0.1698, 0.2217



31.8442, 0.3404, 0.2389

Rectangle

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



31.8442, 0.4752, 0.4087



31.8442, 0.3772, 0.4871



31.8442, 0.1698, 0.2217



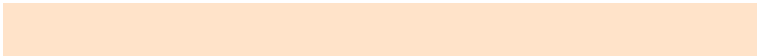
31.8442, 0.2339, 0.2032

Sweetspot

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



31.8458, 0.4752, 0.4087



80.4232, 0.3499, 0.3549



19.8074, 0.4165, 0.2408



16.7176, 0.3557, 0.3585



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.



31.8458, 0.4752, 0.4087



41.0345, 0.5156, 0.4113



59.6314, 0.4099, 0.4800



13.3875, 0.3279, 0.3401



14.5915, 0.5467, 0.4041



1.0452, 0.5190, 0.4261

Inverse Universe

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



25.2295, 0.2058, 0.2183



30.4360, 0.1900, 0.1906



10.1459, 0.1797, 0.1122



13.0734, 0.2982, 0.3176



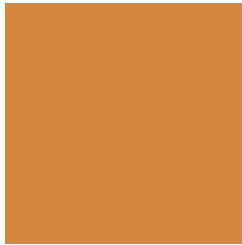
10.1478, 0.1796, 0.1666



0.7774, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 31.8442, 0.4752, 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 31.8442, 0.4752, 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 31.8442, 0.4752, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 31.8442, 0.4752, 0.4087.



This preview shows how white text looks on a background with the Yxy color 31.8442, 0.4752, 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

31.8442, 0.4752, 0.4087

Protanopia

32.0994, 0.4073, 0.4471

Deuteranopia

31.9711, 0.4440, 0.4353



Tritanopia

31.7366, 0.4068, 0.3170

Trichromacy



Original Color

31.8442, 0.4752, 0.4087

Protanomaly

31.7239, 0.4324, 0.4324

Deuteranomaly

31.8359, 0.4556, 0.4254

Tritanomaly

31.6900, 0.4365, 0.3536

Monochromacy



Original Color

31.8442, 0.4752, 0.4087

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.4669, 0.3703, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8442, 0.4752, 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(213, 135, 64)` looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 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(213, 135, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 64) }
```

Border

The CSS property to change the border of an element to Yxy 31.8442, 0.4752, 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(213, 135, 64) }
```

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

```
.border{ border-color:rgb(213, 135, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 64);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8442, 0.4752, 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(213, 135, 64) }
```

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

```
.background{ background-color: rgb(213,  
135, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor