

Converting Colors

$Y_{xy}(31.4790, 0.5026, 0.4203)$

Have a look what the booklet for
Yxy(31.4790, 0.5026, 0.4203)
contains.

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Color

Yxy(31.4200, 0.5032, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	DB8324
RGB	219, 131, 36
RGB Percent	86%, 51%, 14%
CMY	0.1412, 0.4862, 0.8590
CMYK	0.00, 0.40, 0.84, 0.14
HSL	31°, 72%, 50%
HSV	31°, 84%, 86%
XYZ	37.6442, 31.4200, 5.7454
YIQ	146.4820, 82.9430, -10.8890

Conversions

Conversions Part 2

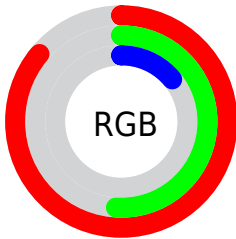
Format	Color
R _Y B	206, 219, 36
Decimal	14385956
CIE Lab	62.86, 27.27, 60.95
CIE LCh	63, 66.775, 65.894
Yxy	31.4200, 0.5032, 0.4200
Android (android.graphics.Color)	4292576036 (0xFFDB8324)
YUV	146.4820, -54.4676, 63.5983
Hunter-Lab	56.0535, 21.7824, 33.1604

Details

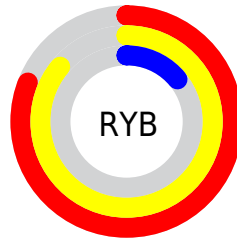
The Yxy color **31.4200, 0.5032, 0.4200** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.8826, 0.1877, 0.1802**, and the grayscale version is **29.1550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2792, 0.4499, 0.4204**, and **13.1540, 0.5353, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **28.6410, 0.5246, 0.4166**, and if you desaturate by 10%, it is **34.5712, 0.4784, 0.4180**.

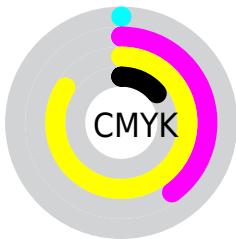
Distribution



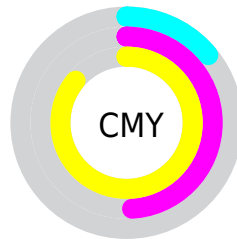
- Red (86%)
- Green (51%)
- Blue (14%)



- Red (81%)
- Yellow (86%)
- Blue (14%)



- Cyan (0%)
- Magenta (40%)
- Yellow (84%)
- Black (14%)




- Cyan (14%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4200, 0.5032, 0.4200 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 31.4200, 0.5032, 0.4200 by changing the saturation by 10% instead.

 31.4200, 0.5032,
0.4200


 31.4200, 0.5032,
0.4200


308.4686, 0.4083,
0.3847

 20.9189, 0.5237,
0.4232


 61.9007, 0.4705,
0.4109


 13.0647, 0.5470,
0.4237

 82.6491, 0.4575,
0.4063

 7.4731, 0.5780,
0.4220


 107.5820, 0.4463,
0.4019

 3.7597, 0.5991,
0.4009

 137.0839, 0.4366,
0.3978

 1.5401, 0.6327,
0.3673

 171.5391, 0.4282,
0.3941

 0.3167, 0.7545,
0.2455

 211.3320, 0.4207,

 0.0000, 0.0000,

0.3907

0.0000

256.8471, 0.4141,
0.3876

■ 31.4200, 0.5032,
0.4200

■ 31.4200, 0.5032,
0.4200

■ 28.6410, 0.5246,
0.4166

■ 34.5712, 0.4784,
0.4180


■ 27.0333, 0.5366,
0.4121


■ 38.1108, 0.4519,
0.4112


■ 42.0589, 0.4252,
0.4009


■ 46.4325, 0.3996,
0.3883

■ 51.2469, 0.3758,
0.3746

 56.5168, 0.3543,
0.3605

 62.2559, 0.3351,
0.3467

 68.4771, 0.3182,
0.3335

 75.1930, 0.3035,
0.3212

Harmonies

Analogous

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



31.4200, 0.5152, 0.3480



31.4200, 0.5032, 0.4200



31.4200, 0.4383, 0.4902

Triad

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



31.4200, 0.5032, 0.4200



31.4200, 0.1796, 0.3627



31.4200, 0.2491, 0.1890

Complementary

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



31.4200, 0.5032, 0.4200



19.8826, 0.1877, 0.1802

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.



31.4200, 0.1802, 0.1786



31.4200, 0.5032, 0.4200



31.4200, 0.1452, 0.2570

Square

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



31.4200, 0.5032, 0.4200



31.4200, 0.2524, 0.4804



31.4200, 0.1465, 0.1981



31.4200, 0.3509, 0.2251

Rectangle

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



31.4200, 0.5032, 0.4200



31.4200, 0.3791, 0.5220



31.4200, 0.1465, 0.1981



31.4200, 0.2220, 0.1825

Sweetspot

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



31.4216, 0.5032, 0.4200



78.5382, 0.3577, 0.3628



17.7822, 0.4643, 0.2464



16.2382, 0.3652, 0.3678



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.



31.4216, 0.5032, 0.4200



37.8833, 0.5378, 0.4112



65.3708, 0.4126, 0.4999



14.1648, 0.3279, 0.3412



16.2527, 0.5344, 0.4139



1.2252, 0.5106, 0.4328

Inverse Universe

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



19.8826, 0.1877, 0.1802



21.2759, 0.1745, 0.1480



6.8037, 0.1608, 0.0768



13.6447, 0.2982, 0.3165



9.2710, 0.1756, 0.1521



0.7726, 0.1840, 0.1825

Previews

White Background



This preview shows how the Yxy color 31.4200, 0.5032, 0.4200 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 31.4200, 0.5032, 0.4200 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 31.4200, 0.5032, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 31.4200, 0.5032, 0.4200.



This preview shows how white text looks on a background with the Yxy color 31.4200, 0.5032, 0.4200.

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

31.4200, 0.5032, 0.4200

Protanopia

31.6076, 0.4270, 0.4718

Deuteranopia

31.5460, 0.4637, 0.4559



Tritanopia

31.4051, 0.4242, 0.3187

Trichromacy



Original Color

31.4200, 0.5032, 0.4200

Protanomaly

31.0954, 0.4548, 0.4526

Deuteranomaly

31.4170, 0.4785, 0.4422

Tritanomaly

31.0414, 0.4623, 0.3627

Monochromacy



Original Color

31.4200, 0.5032, 0.4200

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9746, 0.3862, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4200, 0.5032, 0.4200 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(219, 131, 36)` looks like.

```
.text, #text, p{  
    color:rgb(219, 131, 36)  
}
```

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(219, 131, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 131, 36) }
```

Border

The CSS property to change the border of an element to Yxy 31.4200, 0.5032, 0.4200 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(219, 131, 36) }
```

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

```
.border{ border-color:rgb(219, 131, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 131, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 131, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 131, 36);  
box-shadow:4px 4px 4px 4px rgb(219, 131,  
36) }
```


Background

The CSS property to change the background color of an element to `rgb(219, 131, 36)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 131, 36) }
```

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

```
.background{ background-color: rgb(219,  
131, 36) }
```

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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