

Converting Colors

$Y_{xy}(31.6862, 0.4893, 0.4382)$

Have a look what the booklet for
Yxy(31.6862, 0.4893, 0.4382)
contains.

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Color

Yxy(31.6614, 0.4889, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	D08A1A
RGB	208, 138, 26
RGB Percent	82%, 54%, 10%
CMY	0.1844, 0.4588, 0.8983
CMYK	0.00, 0.34, 0.88, 0.18
HSL	37°, 78%, 46%
HSV	37°, 88%, 82%
XYZ	35.2844, 31.6614, 5.2252
YIQ	146.1620, 77.6720, -19.9920

Conversions

Conversions Part 2

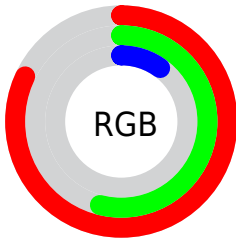
Format	Color
R _Y B	140, 208, 26
Decimal	13666842
CIE Lab	63.06, 18.57, 63.63
CIE LCh	63, 66.288, 73.735
Yxy	31.6614, 0.4889, 0.4387
Android (android.graphics.Color)	4291856922 (0xFFD08A1A)
YUV	146.1620, -59.2399, 54.2319
Hunter-Lab	56.2685, 13.4626, 33.8822

Details

The Yxy color **31.6614, 0.4889, 0.4387** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **13.1231, 0.1767, 0.1451**, and the grayscale version is **29.0370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1461, 0.4486, 0.4319**, and **13.2753, 0.5113, 0.4322** is the 20% darker color. If you saturate the color by 10%, you get **29.3894, 0.5045, 0.4358**, and if you desaturate by 10%, it is **34.1713, 0.4700, 0.4365**.

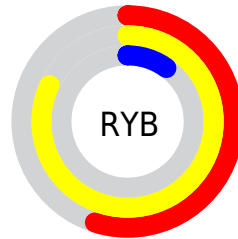
Distribution



Red (82%)

Green (54%)

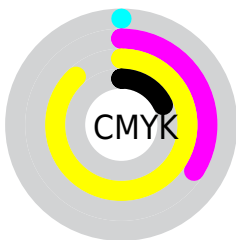
Blue (10%)



Red (55%)

Yellow (82%)

Blue (10%)

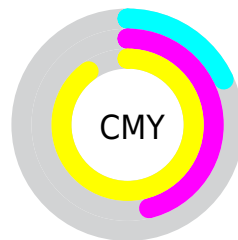


Cyan (0%)

Magenta (34%)

Yellow (88%)

Black (18%)



Cyan (18%)


Magenta (46%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6614, 0.4889, 0.4387 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 31.6614, 0.4889, 0.4387 by changing the saturation by 10% instead.


 31.6614, 0.4889,
0.4387


 31.6614, 0.4889,
0.4387


309.5739, 0.4027,
0.3929


 21.1030, 0.5066,
0.4445


 62.2799, 0.4598,
0.4257


 13.1993, 0.5264,
0.4484


 83.1088, 0.4480,
0.4197

 7.5659, 0.5502,
0.4498


 108.1300, 0.4378,
0.4141

 3.8185, 0.5654,
0.4346

 137.7278, 0.4289,
0.4090

 1.5725, 0.5900,
0.4100

 172.2867, 0.4211,
0.4043

 0.3390, 0.6958,
0.3042

 212.1911, 0.4143,

 0.0000, 0.0000,

0.4002

0.0000

257.8254, 0.4082,
0.3964

■ 31.6614, 0.4889,
0.4387

■ 31.6614, 0.4889,
0.4387

■ 29.3894, 0.5045,
0.4358

■ 34.1713, 0.4700,
0.4365

■ 28.8571, 0.5082,
0.4347

■ 36.9318, 0.4487,
0.4294

■ 39.9578, 0.4261,
0.4183

■ 43.2615, 0.4033,
0.4043

■ 46.8534, 0.3813,
0.3887

■ 50.7436, 0.3606,
0.3725

■ 54.9415, 0.3416,
0.3562

■ 59.4558, 0.3244,
0.3404

■ 64.2948, 0.3091,
0.3254

Harmonies

Analogous

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



31.6614, 0.5168, 0.3665



31.6614, 0.4889, 0.4387



31.6614, 0.4156, 0.5039

Triad

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



31.6614, 0.4889, 0.4387



31.6614, 0.1680, 0.3313



31.6614, 0.2735, 0.1971

Complementary

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



31.6614, 0.4889, 0.4387



13.1231, 0.1767, 0.1451

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.



31.6614, 0.1956, 0.1797



31.6614, 0.4889, 0.4387



31.6614, 0.1436, 0.2380

Square

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



31.6614, 0.4889, 0.4387



31.6614, 0.2310, 0.4519



31.6614, 0.1533, 0.1908



31.6614, 0.3795, 0.2389

Rectangle

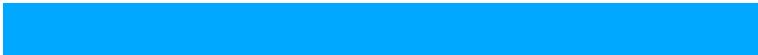
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6614, 0.4889, 0.4387



31.6614, 0.3542, 0.5251



31.6614, 0.1533, 0.1908



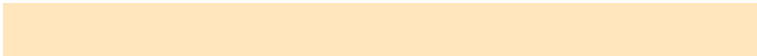
31.6614, 0.2435, 0.1884

Sweetspot

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



31.6630, 0.4889, 0.4387



81.2454, 0.3582, 0.3704



15.0407, 0.5039, 0.2648



16.9109, 0.3652, 0.3762



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.



31.6630, 0.4889, 0.4387



45.3679, 0.5095, 0.4337



56.0994, 0.4011, 0.5123



13.0025, 0.3275, 0.3433



18.1797, 0.5066, 0.4360



1.1676, 0.4864, 0.4520

Inverse Universe

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



13.1231, 0.1767, 0.1451



15.9587, 0.1662, 0.1183



5.8284, 0.1625, 0.0740



12.1521, 0.2982, 0.3143



6.5836, 0.1675, 0.1230



0.5200, 0.1778, 0.1601

Previews

White Background



This preview shows how the Yxy color 31.6614, 0.4889, 0.4387 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 31.6614, 0.4889, 0.4387 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 31.6614, 0.4889, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 31.6614, 0.4889, 0.4387.



This preview shows how white text looks on a background with the Yxy color 31.6614, 0.4889, 0.4387.

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

31.6614, 0.4889, 0.4387

Protanopia

31.6469, 0.4332, 0.4787

Deuteranopia

31.6388, 0.4676, 0.4589



Tritanopia

31.8316, 0.4014, 0.3181

Trichromacy



Original Color

31.6614, 0.4889, 0.4387

Protanomaly

31.5828, 0.4530, 0.4642

Deuteranomaly

31.4097, 0.4757, 0.4513

Tritanomaly

31.3626, 0.4455, 0.3720

Monochromacy



Original Color

31.6614, 0.4889, 0.4387

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0392, 0.3847, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6614, 0.4889, 0.4387 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(208, 138, 26)` looks like.

```
.text, #text, p{  
    color:rgb(208, 138, 26)  
}
```

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(208, 138, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 138, 26) }
```

Border

The CSS property to change the border of an element to Yxy 31.6614, 0.4889, 0.4387 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(208, 138, 26) }
```

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

```
.border{ border-color:rgb(208, 138, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 138, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 138, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 138, 26);  
box-shadow:4px 4px 4px 4px rgb(208, 138,  
26) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.6614, 0.4889, 0.4387$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 138, 26) }
```

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

```
.background{ background-color: rgb(208,  
138, 26) }
```

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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