

Converting Colors

$Y_{xy}(31.8831, 0.4969, 0.4227)$

Have a look what the booklet for
Yxy(31.8831, 0.4969, 0.4227)
contains.

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Color

Yxy(31.9484, 0.4964, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	D98627
RGB	217, 134, 39
RGB Percent	85%, 53%, 15%
CMY	0.1490, 0.4745, 0.8472
CMYK	0.00, 0.38, 0.82, 0.15
HSL	32°, 70%, 50%
HSV	32°, 82%, 85%
XYZ	37.5099, 31.9484, 6.1056
YIQ	147.9870, 79.9630, -11.9490

Conversions

Conversions Part 2

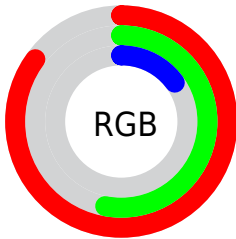
Format	Color
RYB	195, 217, 39
Decimal	14255655
CIELab	63.30, 24.94, 60.17
CIELCh	63, 65.137, 67.487
Yxy	31.9484, 0.4964, 0.4228
Android (android.graphics.Color)	4292445735 (0xFFD98627)
YUV	147.9870, -53.7306, 60.5244
Hunter-Lab	56.5229, 19.5416, 33.1616

Details

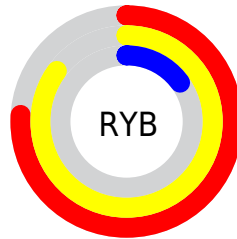
The Yxy color **31.9484, 0.4964, 0.4228** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.3558, 0.1881, 0.1792**, and the grayscale version is **29.8114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5910, 0.4457, 0.4209**, and **13.4086, 0.5277, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **29.1806, 0.5177, 0.4206**, and if you desaturate by 10%, it is **35.0693, 0.4720, 0.4196**.

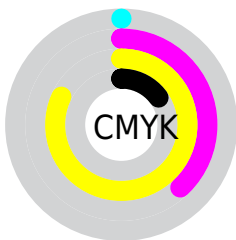
Distribution



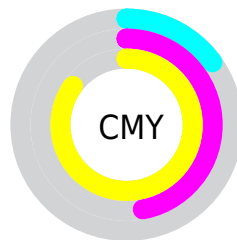
- Red (85%)
- Green (53%)
- Blue (15%)



- Red (76%)
- Yellow (85%)
- Blue (15%)



- Cyan (0%)
- Magenta (38%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9484, 0.4964, 0.4228 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 31.9484, 0.4964, 0.4228 by changing the saturation by 10% instead.


 31.9484, 0.4964,
0.4228


 31.9484, 0.4964,
0.4228


310.8841, 0.4050,
0.3852


 21.3221, 0.5162,
0.4270


 62.7302, 0.4648,
0.4126

 13.3596, 0.5388,
0.4287


 83.6545, 0.4523,
0.4077


 7.6767, 0.5701,
0.4299


 108.7802, 0.4416,
0.4030

 3.8888, 0.5893,
0.4107

 138.4917, 0.4322,
0.3988

 1.6115, 0.6201,
0.3799

 173.1735, 0.4241,
0.3949

 0.3654, 0.7246,
0.2754

 213.2099, 0.4169,

 0.0000, 0.0000,

0.3914

0.0000

258.9853, 0.4106,
0.3881

■ 31.9484, 0.4964,
0.4228

■ 31.9484, 0.4964,
0.4228

■ 29.1806, 0.5177,
0.4206

■ 35.0693, 0.4720,
0.4196

■ 27.2062, 0.5323,
0.4156

■ 38.5578, 0.4460,
0.4119

■ 42.4327, 0.4200,
0.4009

■ 46.7095, 0.3951,
0.3877

■ 51.4025, 0.3720,
0.3735

■ 56.5253, 0.3510,
0.3591

■ 62.0905, 0.3323,
0.3451

■ 68.1103, 0.3158,
0.3316

■ 74.5962, 0.3014,
0.3191

Harmonies

Analogous

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



31.9484, 0.5106, 0.3521



31.9484, 0.4964, 0.4228



31.9484, 0.4318, 0.4899

Triad

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



31.9484, 0.4964, 0.4228



31.9484, 0.1804, 0.3557



31.9484, 0.2555, 0.1934

Complementary

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



31.9484, 0.4964, 0.4228



19.3558, 0.1881, 0.1792

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.



31.9484, 0.1861, 0.1819



31.9484, 0.4964, 0.4228



31.9484, 0.1483, 0.2552

Square

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



31.9484, 0.4964, 0.4228



31.9484, 0.2500, 0.4702



31.9484, 0.1512, 0.1996



31.9484, 0.3557, 0.2301

Rectangle

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



31.9484, 0.4964, 0.4228



31.9484, 0.3735, 0.5180



31.9484, 0.1512, 0.1996



31.9484, 0.2284, 0.1866

Sweetspot

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



31.9501, 0.4964, 0.4228



79.0324, 0.3574, 0.3637



17.6093, 0.4657, 0.2495



16.3558, 0.3649, 0.3688



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.



31.9501, 0.4964, 0.4228



39.5869, 0.5300, 0.4161



63.6415, 0.4095, 0.5005



14.1966, 0.3278, 0.3415



16.6800, 0.5302, 0.4172



1.2525, 0.5073, 0.4354

Inverse Universe

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



19.3558, 0.1881, 0.1792



21.0783, 0.1744, 0.1469



7.0148, 0.1636, 0.0801



13.6130, 0.2982, 0.3162



8.8951, 0.1743, 0.1475



0.7477, 0.1829, 0.1783

Previews

White Background



This preview shows how the Yxy color 31.9484, 0.4964, 0.4228 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 31.9484, 0.4964, 0.4228 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 31.9484, 0.4964, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 31.9484, 0.4964, 0.4228.



This preview shows how white text looks on a background with the Yxy color 31.9484, 0.4964, 0.4228.

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

31.9484, 0.4964, 0.4228

Protanopia

32.0637, 0.4260, 0.4706

Deuteranopia

32.1369, 0.4630, 0.4536



Tritanopia

31.9181, 0.4168, 0.3186

Trichromacy



Original Color

31.9484, 0.4964, 0.4228

Protanomaly

31.7260, 0.4515, 0.4534

Deuteranomaly

32.0239, 0.4747, 0.4428

Tritanomaly

31.5548, 0.4546, 0.3633

Monochromacy



Original Color

31.9484, 0.4964, 0.4228

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6119, 0.3830, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9484, 0.4964, 0.4228 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(217, 134, 39)` looks like.

```
.text, #text, p{  
    color:rgb(217, 134, 39)  
}
```

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(217, 134, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 134, 39) }
```

Border

The CSS property to change the border of an element to Yxy 31.9484, 0.4964, 0.4228 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(217, 134, 39) }
```

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

```
.border{ border-color:rgb(217, 134, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 134, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 134, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 134, 39);  
box-shadow:4px 4px 4px 4px rgb(217, 134,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9484, 0.4964, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 134, 39) }
```

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

```
.background{ background-color: rgb(217,  
134, 39) }
```

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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