

Converting Colors

$Y_{xy}(31.4872, 0.4993, 0.4214)$

Have a look what the booklet for
Yxy(31.4872, 0.4993, 0.4214)
contains.

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Color

Yxy(31.3942, 0.4993, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	D98426
RGB	217, 132, 38
RGB Percent	85%, 52%, 15%
CMY	0.1490, 0.4823, 0.8513
CMYK	0.00, 0.39, 0.83, 0.15
HSL	32°, 70%, 50%
HSV	32°, 83%, 85%
XYZ	37.2154, 31.3942, 5.9255
YIQ	146.6990, 80.8340, -11.2140

Conversions

Conversions Part 2

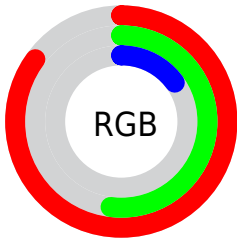
Format	Color
R _Y B	200, 217, 38
Decimal	14255142
CIE Lab	62.84, 25.97, 60.14
CIE LCh	63, 65.504, 66.646
Yxy	31.3942, 0.4993, 0.4212
Android (android.graphics.Color)	4292445222 (0xFFD98426)
YUV	146.6990, -53.5886, 61.6540
Hunter-Lab	56.0305, 20.5060, 32.9511

Details

The Yxy color **31.3942, 0.4993, 0.4212** 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 **19.5661, 0.1883, 0.1807**, and the grayscale version is **29.2453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7306, 0.4478, 0.4198**, and **13.1025, 0.5314, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **28.6374, 0.5208, 0.4186**, and if you desaturate by 10%, it is **34.5115, 0.4746, 0.4185**.

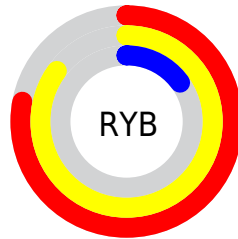
Distribution



Red (85%)

Green (52%)

Blue (15%)



Red (78%)

Yellow (85%)

Blue (15%)

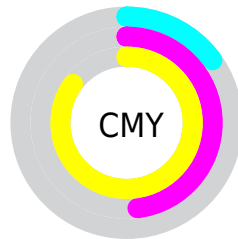


Cyan (0%)

Magenta (39%)

Yellow (83%)

Black (15%)



Cyan (15%)


Magenta (48%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3942, 0.4993, 0.4212 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 31.3942, 0.4993, 0.4212 by changing the saturation by 10% instead.


 31.3942, 0.4993,
0.4212


 31.3942, 0.4993,
0.4212


308.3503, 0.4062,
0.3847

 20.8992, 0.5195,
0.4250


 61.8602, 0.4671,
0.4115


 13.0503, 0.5426,
0.4261


 82.5999, 0.4544,
0.4067

 7.4632, 0.5740,
0.4260


 107.5234, 0.4434,
0.4022

 3.7534, 0.5943,
0.4057

 137.0150, 0.4339,
0.3980

 1.5366, 0.6268,
0.3732

 171.4591, 0.4256,
0.3942

 0.3143, 0.7486,
0.2514

 211.2401, 0.4183,

 0.0000, 0.0000,

0.3907

0.0000

256.7423, 0.4119,
0.3876

■ 31.3942, 0.4993,
0.4212

■ 31.3942, 0.4993,
0.4212

■ 28.6374, 0.5208,
0.4186

■ 34.5115, 0.4746,
0.4185

■ 26.7878, 0.5347,
0.4136

■ 38.0045, 0.4483,
0.4111

■ 41.8924, 0.4219,
0.4004

■ 46.1912, 0.3966,
0.3875

■ 50.9156, 0.3732,
0.3735

■ 56.0797, 0.3521,
0.3593

■ 61.6963, 0.3332,
0.3455

■ 67.7781, 0.3166,
0.3322

■ 74.3368, 0.3020,
0.3198

Harmonies

Analogous

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



31.3942, 0.5122, 0.3500



31.3942, 0.4993, 0.4212



31.3942, 0.4349, 0.4896

Triad

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



31.3942, 0.4993, 0.4212



31.3942, 0.1805, 0.3592



31.3942, 0.2524, 0.1915

Complementary

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



31.3942, 0.4993, 0.4212



19.5661, 0.1883, 0.1807

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.



31.3942, 0.1834, 0.1806



31.3942, 0.4993, 0.4212



31.3942, 0.1473, 0.2565

Square

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



31.3942, 0.4993, 0.4212



31.3942, 0.2516, 0.4748



31.3942, 0.1493, 0.1993



31.3942, 0.3531, 0.2278

Rectangle

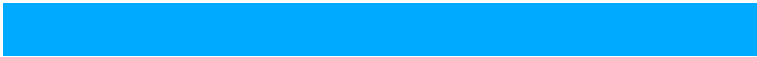
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3942, 0.4993, 0.4212



31.3942, 0.3763, 0.5193



31.3942, 0.1493, 0.1993



31.3942, 0.2254, 0.1849

Sweetspot

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



31.3958, 0.4993, 0.4212



78.7442, 0.3576, 0.3632



17.6006, 0.4614, 0.2463



16.2872, 0.3650, 0.3682



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.



31.3958, 0.4993, 0.4212



38.6444, 0.5342, 0.4134



64.0631, 0.4121, 0.4991



14.1780, 0.3278, 0.3413



16.4293, 0.5326, 0.4153



1.2365, 0.5092, 0.4339

Inverse Universe

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



19.5661, 0.1883, 0.1807



21.2460, 0.1746, 0.1478



6.8609, 0.1620, 0.0787



13.6315, 0.2982, 0.3164



9.1124, 0.1751, 0.1502



0.7621, 0.1835, 0.1807

Previews

White Background



This preview shows how the Yxy color 31.3942, 0.4993, 0.4212 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 31.3942, 0.4993, 0.4212 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 31.3942, 0.4993, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 31.3942, 0.4993, 0.4212.



This preview shows how white text looks on a background with the Yxy color 31.3942, 0.4993, 0.4212.

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

31.3942, 0.4993, 0.4212

Protanopia

31.6148, 0.4265, 0.4710

Deuteranopia

31.5616, 0.4625, 0.4544



Tritanopia

31.3615, 0.4203, 0.3186

Trichromacy



Original Color

31.3942, 0.4993, 0.4212

Protanomaly

31.1023, 0.4543, 0.4519

Deuteranomaly

31.2892, 0.4766, 0.4418

Tritanomaly

31.0192, 0.4573, 0.3620

Monochromacy



Original Color

31.3942, 0.4993, 0.4212

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1782, 0.3835, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3942, 0.4993, 0.4212 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, 132, 38)` looks like.

```
.text, #text, p{  
    color:rgb(217, 132, 38)  
}
```

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, 132, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 132, 38) }
```

Border

The CSS property to change the border of an element to Yxy 31.3942, 0.4993, 0.4212 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, 132, 38) }
```

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

```
.border{ border-color:rgb(217, 132, 38) }
```

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

Here you see how a box with a 4 pixel rgb(217, 132, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 132, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 132, 38);  
box-shadow:4px 4px 4px 4px rgb(217, 132,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3942, 0.4993, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 132, 38) }
```

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

```
.background{ background-color: rgb(217,  
132, 38) }
```

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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