

Converting Colors

$Y_{xy}(31.9408, 0.5098, 0.4516)$

Have a look what the booklet for
Yxy(31.9408, 0.5098, 0.4516)
contains.

Yxy(32.0375, 0.5006, 0.4407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.0375, 0.5006, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	D58900
RGB	213, 137, 0
RGB Percent	84%, 54%, 0%
CMY	0.1646, 0.4628, 0.9998
CMYK	0.00, 0.36, 1.00, 0.16
HSL	39°, 100%, 42%
HSV	39°, 100%, 84%
XYZ	36.3920, 32.0375, 4.2673
YIQ	144.1060, 89.2730, -26.4950

Conversions

Conversions Part 2

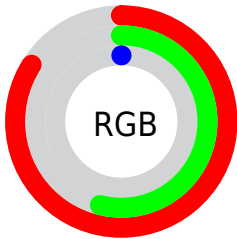
Format	Color
RYB	118, 213, 0
Decimal	13994240
CIELab	63.37, 20.94, 68.92
CIElCh	63, 72.028, 73.096
Yxy	32.0375, 0.5006, 0.4407
Android (android.graphics.Color)	4292184320 (0xFFD58900)
YUV	144.1060, -71.0443, 60.4200
Hunter-Lab	56.6017, 15.7136, 35.1512

Details

The Yxy color **32.0375, 0.5006, 0.4407** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.9879, 0.1646, 0.1126**, and the grayscale version is **28.2039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5548, 0.4552, 0.4383**, and **13.4918, 0.5178, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **32.0326, 0.5006, 0.4407**, and if you desaturate by 10%, it is **34.3335, 0.4867, 0.4438**.

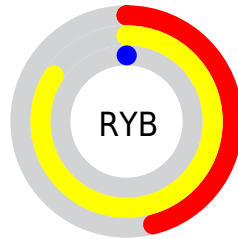
Distribution



Red (84%)

Green (54%)

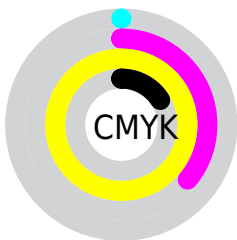
Blue (0%)



Red (46%)

Yellow (84%)

Blue (0%)

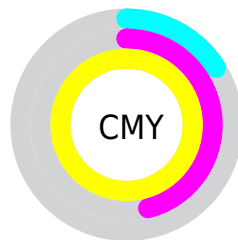


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0375, 0.5006, 0.4407 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 32.0375, 0.5006, 0.4407 by changing the saturation by 10% instead.


 32.0375, 0.5006,
0.4407


 32.0375, 0.5006,
0.4407


311.2900, 0.4105,
0.3968


 21.3901, 0.5182,
0.4450


 62.8699, 0.4709,
0.4293

 13.4095, 0.5387,
0.4476


 83.8237, 0.4586,
0.4235


 7.7111, 0.5574,
0.4426


 108.9818, 0.4479,
0.4181

 3.9107, 0.5740,
0.4260

 138.7285, 0.4385,
0.4131

 1.6237, 0.6007,
0.3993

 173.4483, 0.4302,
0.4084

 0.3735, 0.6988,
0.3012

 213.5256, 0.4229,

 0.0000, 0.0000,

0.4042


0.0000

 259.3447, 0.4164,
0.4003


 32.0375, 0.5006,
0.4407

 32.0375, 0.5006,
0.4407


 32.0326, 0.5006,
0.4407

 34.3335, 0.4867,
0.4438

 36.8444, 0.4699,
0.4424

 39.5951, 0.4504,
0.4359

 42.5997, 0.4291,
0.4251

 45.8702, 0.4072,
0.4113

■ 49.4179, 0.3856,
0.3954

■ 53.2527, 0.3650,
0.3785

■ 57.3840, 0.3459,
0.3615

■ 61.8207, 0.3284,
0.3448

Harmonies

Analogous

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



32.0375, 0.5316, 0.3642



32.0375, 0.5006, 0.4407



32.0375, 0.4216, 0.5136

Triad

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



32.0375, 0.5006, 0.4407



32.0375, 0.1589, 0.3329



32.0375, 0.2678, 0.1883

Complementary

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



32.0375, 0.5006, 0.4407



9.9879, 0.1646, 0.1126

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.



32.0375, 0.1865, 0.1706



32.0375, 0.5006, 0.4407



32.0375, 0.1336, 0.2319

Square

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



32.0375, 0.5006, 0.4407



32.0375, 0.2256, 0.4661



32.0375, 0.1433, 0.1822



32.0375, 0.3818, 0.2316

Rectangle

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



32.0375, 0.5006, 0.4407



32.0375, 0.3563, 0.5408



32.0375, 0.1433, 0.1822



32.0375, 0.2363, 0.1794

Sweetspot

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



32.0392, 0.5006, 0.4407



79.8095, 0.3657, 0.3791



14.7035, 0.5535, 0.2823



16.5471, 0.3743, 0.3863



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.



32.0392, 0.5006, 0.4407



47.7961, 0.5017, 0.4399



57.8696, 0.3958, 0.5239



13.7393, 0.3275, 0.3440



19.7611, 0.4991, 0.4419



1.3457, 0.4819, 0.4556

Inverse Universe

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



9.9879, 0.1646, 0.1126



14.7093, 0.1641, 0.1108



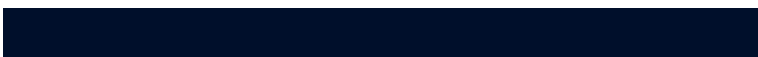
5.0601, 0.1547, 0.0626



12.7270, 0.2982, 0.3136



6.2718, 0.1653, 0.1152



0.5323, 0.1751, 0.1503

Previews

White Background



This preview shows how the Yxy color 32.0375, 0.5006, 0.4407 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 32.0375, 0.5006, 0.4407 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 32.0375, 0.5006, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 32.0375, 0.5006, 0.4407.



This preview shows how white text looks on a background with the Yxy color 32.0375, 0.5006, 0.4407.

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

32.0375, 0.5006, 0.4407

Protanopia

32.1444, 0.4384, 0.4844

Deuteranopia

32.1599, 0.4722, 0.4632



Tritanopia

32.0450, 0.4089, 0.3172

Trichromacy



Original Color

32.0375, 0.5006, 0.4407

Protanomaly

31.8931, 0.4611, 0.4686

Deuteranomaly

32.2015, 0.4828, 0.4549

Tritanomaly

31.6724, 0.4620, 0.3806

Monochromacy



Original Color

32.0375, 0.5006, 0.4407

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.2575, 0.3963, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0375, 0.5006, 0.4407 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, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 137, 0)  
}
```

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, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.0375, 0.5006, 0.4407 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, 137, 0) }
```

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

```
.border{ border-color:rgb(213, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0375, 0.5006, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 137, 0) }
```

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

```
.background{ background-color: rgb(213,  
137, 0) }
```

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