

Converting Colors

$Y_{xy}(32.6372, 0.4371, 0.4169)$

Have a look what the booklet for
Yxy(32.6372, 0.4371, 0.4169)
contains.

Yxy(32.8294, 0.4366, 0.4168)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8294, 0.4366, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	C4924D
RGB	196, 146, 77
RGB Percent	77%, 57%, 30%
CMY	0.2313, 0.4275, 0.6980
CMYK	0.00, 0.26, 0.61, 0.23
HSL	35°, 50%, 54%
HSV	35°, 61%, 77%
XYZ	34.3890, 32.8294, 11.5470
YIQ	153.0840, 51.9490, -10.8590

Conversions

Conversions Part 2

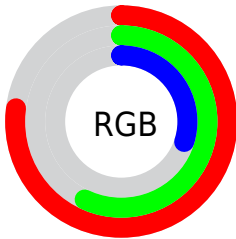
Format	Color
RYB	163, 196, 77
Decimal	12882509
CIELab	64.02, 11.36, 43.30
CIElCh	64, 44.768, 75.301
Yxy	32.8294, 0.4366, 0.4168
Android (android.graphics.Color)	4291072589 (0xFFC4924D)
YUV	153.0840, -37.5094, 37.6373
Hunter-Lab	57.2969, 6.8639, 28.1592

Details

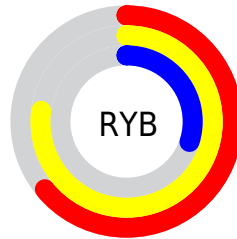
The Yxy color **32.8294, 0.4366, 0.4168** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **20.7552, 0.2136, 0.2150**, and the grayscale version is **32.0451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1271, 0.4131, 0.4027**, and **13.9386, 0.4704, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **30.1448, 0.4604, 0.4261**, and if you desaturate by 10%, it is **35.7838, 0.4126, 0.4044**.

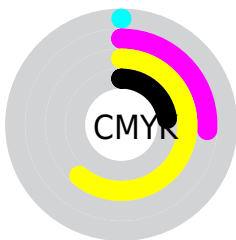
Distribution



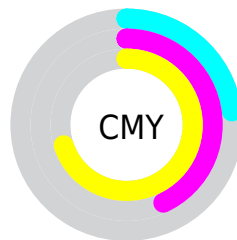
- Red (77%)
- Green (57%)
- Blue (30%)



- Red (64%)
- Yellow (77%)
- Blue (30%)



- Cyan (0%)
- Magenta (26%)
- Yellow (61%)
- Black (23%)





- Cyan (23%)
- Magenta (43%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8294, 0.4366, 0.4168 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 32.8294, 0.4366, 0.4168 by changing the saturation by 10% instead.


 32.8294, 0.4366,
0.4168

 32.8294, 0.4366,
0.4168


314.8803, 0.3729,
0.3746


 21.9958, 0.4520,
0.4257


 64.1091, 0.4135,
0.4024

 13.8538, 0.4710,
0.4357


 85.3240, 0.4048,
0.3967

 8.0191, 0.4943,
0.4458


 110.7680, 0.3974,
0.3917

 4.1071, 0.5351,
0.4649

 140.8257, 0.3911,
0.3874

 1.7337, 0.5502,
0.4498

 175.8814, 0.3856,
0.3836

 0.4453, 0.6114,
0.3886

216.3194, 0.3808,

 0.0000, 0.0000,

0.3802

0.0000

262.5243, 0.3766,
0.3773

■ 32.8294, 0.4366,
0.4168

■ 32.8294, 0.4366,
0.4168

■ 30.1448, 0.4604,
0.4261

■ 35.7838, 0.4126,
0.4044

■ 27.7137, 0.4828,
0.4311

■ 39.0137, 0.3893,
0.3901

■ 25.5243, 0.5024,
0.4310

■ 42.5304, 0.3676,
0.3748

■ 23.6881, 0.5180,
0.4269

■ 46.3429, 0.3477,
0.3594

■ 50.4600, 0.3298,
0.3443

■ 54.8896, 0.3138,
0.3300

■ 59.6396, 0.2997,
0.3166

■ 64.7173, 0.2872,
0.3041

■ 70.1299, 0.2762,
0.2926

Harmonies

Analogous

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



32.8294, 0.4523, 0.3662



32.8294, 0.4366, 0.4168



32.8294, 0.3875, 0.4527

Triad

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



32.8294, 0.4366, 0.4168



32.8294, 0.2100, 0.3301



32.8294, 0.2910, 0.2350

Complementary

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



32.8294, 0.4366, 0.4168



20.7552, 0.2136, 0.2150

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.



32.8294, 0.2328, 0.2214



32.8294, 0.4366, 0.4168



32.8294, 0.1906, 0.2672

Square

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



32.8294, 0.4366, 0.4168



32.8294, 0.2566, 0.4037



32.8294, 0.1986, 0.2310



32.8294, 0.3628, 0.2677

Rectangle

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



32.8294, 0.4366, 0.4168



32.8294, 0.3443, 0.4577



32.8294, 0.1986, 0.2310



32.8294, 0.2693, 0.2281

Sweetspot

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



32.8310, 0.4366, 0.4168



85.6889, 0.3431, 0.3557



18.6226, 0.4156, 0.2636



17.8835, 0.3487, 0.3602



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.



32.8310, 0.4366, 0.4168



53.0309, 0.4684, 0.4284



50.7311, 0.3904, 0.4733



11.0257, 0.3275, 0.3423



15.3894, 0.5163, 0.4283



0.7988, 0.4891, 0.4499

Inverse Universe

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



20.7552, 0.2136, 0.2150



29.3803, 0.1947, 0.1848



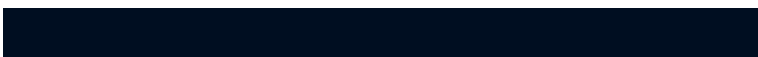
11.2247, 0.2017, 0.1384



10.4283, 0.2984, 0.3153



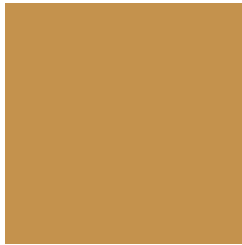
6.6393, 0.1706, 0.1342



0.4230, 0.1830, 0.1789

Previews

White Background



This preview shows how the Yxy color 32.8294, 0.4366, 0.4168 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 32.8294, 0.4366, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

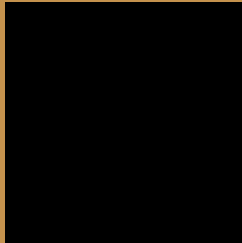
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8294, 0.4366, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 32.8294, 0.4366, 0.4168.



This preview shows how white text looks on a background with the Yxy color 32.8294, 0.4366, 0.4168.

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

32.8294, 0.4366, 0.4168

Protanopia

33.1268, 0.4001, 0.4367

Deuteranopia

32.7920, 0.4295, 0.4215



Tritanopia

32.8716, 0.3731, 0.3161

Trichromacy



Original Color

32.8294, 0.4366, 0.4168

Protanomaly

32.8447, 0.4137, 0.4287

Deuteranomaly

32.7407, 0.4325, 0.4194

Tritanomaly

32.7343, 0.3990, 0.3543

Monochromacy



Original Color

32.8294, 0.4366, 0.4168

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7284, 0.3577, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8294, 0.4366, 0.4168 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(196, 146, 77)` looks like.

```
.text, #text, p{  
    color:rgb(196, 146, 77)  
}
```

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(196, 146, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 146, 77) }
```

Border

The CSS property to change the border of an element to Yxy 32.8294, 0.4366, 0.4168 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(196, 146, 77) }
```

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

```
.border{ border-color:rgb(196, 146, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 146, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 146, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 146, 77);  
box-shadow:4px 4px 4px 4px rgb(196, 146,  
77) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.8294, 0.4366, 0.4168$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 146, 77) }
```

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

```
.background{ background-color: rgb(196,  
146, 77) }
```

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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