

Converting Colors

$Y_{xy}(32.3694, 0.4715, 0.4126)$

Have a look what the booklet for
Yxy(32.3694, 0.4715, 0.4126)
contains.

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Color

Yxy(32.5442, 0.4711, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	D48A40
RGB	212, 138, 64
RGB Percent	83%, 54%, 25%
CMY	0.1688, 0.4587, 0.7490
CMYK	0.00, 0.35, 0.70, 0.17
HSL	30°, 63%, 54%
HSV	30°, 70%, 83%
XYZ	37.1584, 32.5442, 9.1733
YIQ	151.6900, 67.8580, -7.3260

Conversions

Conversions Part 2

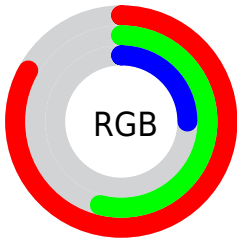
Format	Color
R _Y B	212, 212, 64
Decimal	13929024
CIE Lab	63.79, 21.68, 49.89
CIE LCh	64, 54.399, 66.513
Yxy	32.5442, 0.4711, 0.4126
Android (android.graphics.Color)	4292119104 (0xFFD48A40)
YUV	151.6900, -43.2312, 52.8919
Hunter-Lab	57.0475, 16.4345, 30.3994

Details

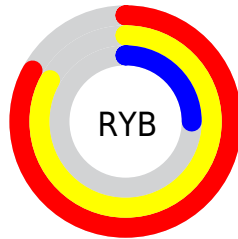
The Yxy color **32.5442, 0.4711, 0.4126** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **24.0028, 0.2046, 0.2129**, and the grayscale version is **31.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1971, 0.4272, 0.4070**, and **13.7737, 0.5129, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **29.4552, 0.4977, 0.4162**, and if you desaturate by 10%, it is **36.0246, 0.4435, 0.4047**.

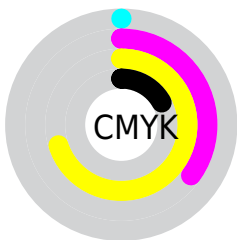
Distribution



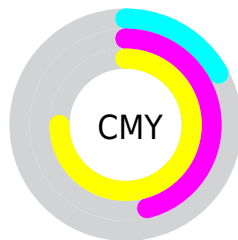
- Red (83%)
- Green (54%)
- Blue (25%)



- Red (83%)
- Yellow (83%)
- Blue (25%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (17%)




- Cyan (17%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5442, 0.4711, 0.4126 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 32.5442, 0.4711, 0.4126 by changing the saturation by 10% instead.


 32.5442, 0.4711,
0.4126


 32.5442, 0.4711,
0.4126


313.5908, 0.3902,
0.3761

 21.7775, 0.4901,
0.4185


 63.6633, 0.4422,
0.4014


 13.6935, 0.5130,
0.4236


 84.7844, 0.4311,
0.3965

 7.9078, 0.5415,
0.4269


 110.1258, 0.4216,
0.3921

 4.0360, 0.5760,
0.4240

 140.0719, 0.4135,
0.3882

 1.6937, 0.6028,
0.3972

 175.0071, 0.4065,
0.3847

 0.4196, 0.6893,
0.3107

215.3157, 0.4004,

 0.0000, 0.0000,

0.3815

0.0000

261.3821, 0.3950,
0.3786

■ 32.5442, 0.4711,
0.4126

■ 32.5442, 0.4711,
0.4126

■ 29.4552, 0.4977,
0.4162

■ 36.0246, 0.4435,
0.4047

■ 26.7333, 0.5214,
0.4146

■ 39.9090, 0.4164,
0.3939

■ 24.3516, 0.5416,
0.4080

■ 44.2149, 0.3910,
0.3812

■ 24.3085, 0.5420,
0.4079

■ 48.9571, 0.3677,
0.3678

■ 54.1496, 0.3469,
0.3543

■ 59.8057, 0.3285,
0.3412

■ 65.9378, 0.3124,
0.3288

■ 72.5581, 0.2984,
0.3172

■ 79.6780, 0.2862,
0.3065

Harmonies

Analogous

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



32.5442, 0.4779, 0.3511



32.5442, 0.4711, 0.4126



32.5442, 0.4199, 0.4664

Triad

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



32.5442, 0.4711, 0.4126



32.5442, 0.2024, 0.3557



32.5442, 0.2628, 0.2111

Complementary

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



32.5442, 0.4711, 0.4126



24.0028, 0.2046, 0.2129

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.



32.5442, 0.2027, 0.2022



32.5442, 0.4711, 0.4126



32.5442, 0.1716, 0.2714

Square

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



32.5442, 0.4711, 0.4126



32.5442, 0.2646, 0.4455



32.5442, 0.1723, 0.2204



32.5442, 0.3467, 0.2430

Rectangle

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



32.5442, 0.4711, 0.4126



32.5442, 0.3710, 0.4862



32.5442, 0.1723, 0.2204



32.5442, 0.2396, 0.2054

Sweetspot

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



32.5459, 0.4711, 0.4126



81.1167, 0.3497, 0.3562



19.4935, 0.4244, 0.2465



16.8820, 0.3553, 0.3599



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.



32.5459, 0.4711, 0.4126



42.5849, 0.5102, 0.4161



61.4332, 0.4062, 0.4836



13.4370, 0.3279, 0.3407



15.2124, 0.5398, 0.4096



1.0831, 0.5135, 0.4305

Inverse Universe

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



24.0028, 0.2046, 0.2129



28.8180, 0.1881, 0.1836



9.5085, 0.1786, 0.1073



13.0238, 0.2982, 0.3170



9.4915, 0.1774, 0.1586



0.7380, 0.1861, 0.1900

Previews

White Background



This preview shows how the Yxy color 32.5442, 0.4711, 0.4126 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 32.5442, 0.4711, 0.4126 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 32.5442, 0.4711, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 32.5442, 0.4711, 0.4126.



This preview shows how white text looks on a background with the Yxy color 32.5442, 0.4711, 0.4126.

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

32.5442, 0.4711, 0.4126

Protanopia

32.6430, 0.4094, 0.4483

Deuteranopia

32.5418, 0.4450, 0.4353



Tritanopia

32.6104, 0.4018, 0.3170

Trichromacy



Original Color

32.5442, 0.4711, 0.4126

Protanomaly

32.4649, 0.4324, 0.4352

Deuteranomaly

32.5737, 0.4546, 0.4272

Tritanomaly

32.3920, 0.4311, 0.3550

Monochromacy



Original Color

32.5442, 0.4711, 0.4126

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.2222, 0.3695, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5442, 0.4711, 0.4126 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(212, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(212, 138, 64)  
}
```

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(212, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 138, 64) }
```

Border

The CSS property to change the border of an element to Yxy 32.5442, 0.4711, 0.4126 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(212, 138, 64) }
```

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

```
.border{ border-color:rgb(212, 138, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 138, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(212, 138,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5442, 0.4711, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 138, 64) }
```

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

```
.background{ background-color: rgb(212,  
138, 64) }
```

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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