

Converting Colors

$Y_{xy}(33.5192, 0.4701, 0.4136)$

Have a look what the booklet for
Yxy(33.5192, 0.4701, 0.4136)
contains.

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Color

Yxy(33.4340, 0.4702, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	D68C41
RGB	214, 140, 65
RGB Percent	84%, 55%, 25%
CMY	0.1608, 0.4510, 0.7449
CMYK	0.00, 0.35, 0.70, 0.16
HSL	30°, 64%, 55%
HSV	30°, 70%, 84%
XYZ	38.0646, 33.4340, 9.4554
YIQ	153.5760, 68.1790, -7.6370

Conversions

Conversions Part 2

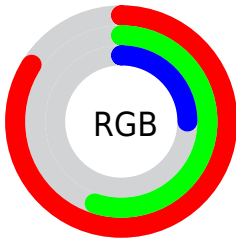
Format	Color
R _{YB}	212, 214, 65
Decimal	14060609
CIE _{Lab}	64.51, 21.52, 50.25
CIE _{LCh}	65, 54.660, 66.813
Y _{xy}	33.4340, 0.4702, 0.4130
Android (android.graphics.Color)	4292250689 (0xFFD68C41)
YUV	153.5760, -43.6680, 52.9918
Hunter-Lab	57.8221, 16.3186, 30.7800

Details

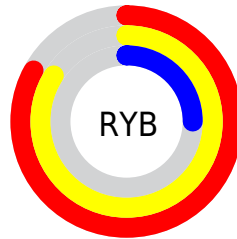
The Yxy color **33.4340, 0.4702, 0.4130** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **24.4580, 0.2047, 0.2125**, and the grayscale version is **32.2949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1045, 0.4253, 0.4080**, and **14.3051, 0.5113, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **30.2744, 0.4967, 0.4168**, and if you desaturate by 10%, it is **36.9912, 0.4427, 0.4050**.

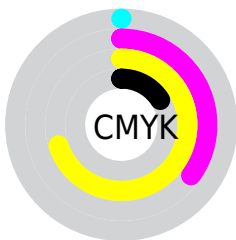
Distribution



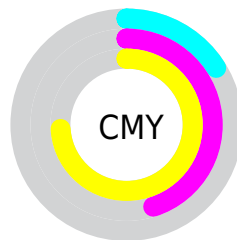
- Red (84%)
- Green (55%)
- Blue (25%)



- Red (83%)
- Yellow (84%)
- Blue (25%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (16%)




- Cyan (16%)
- Magenta (45%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4340, 0.4702, 0.4130 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 33.4340, 0.4702, 0.4130 by changing the saturation by 10% instead.


 33.4340, 0.4702,
0.4130


 33.4340, 0.4702,
0.4130


317.6008, 0.3901,
0.3764


 22.4591, 0.4889,
0.4190


 65.0525, 0.4416,
0.4018


 14.1946, 0.5115,
0.4242


 86.4650, 0.4307,
0.3969

 8.2562, 0.5391,
0.4274


 112.1254, 0.4213,
0.3924

 4.2593, 0.5739,
0.4261

 142.4181, 0.4133,
0.3885

 1.8196, 0.5996,
0.4004

 177.7277, 0.4063,
0.3850

 0.4994, 0.6692,
0.3308

218.4384, 0.4002,

 0.0000, 0.0000,

0.3818

0.0000

264.9346, 0.3948,
0.3789

■ 33.4340, 0.4702,
0.4130

■ 33.4340, 0.4702,
0.4130

■ 30.2744, 0.4967,
0.4168

■ 36.9912, 0.4427,
0.4050

■ 27.4874, 0.5204,
0.4153

■ 40.9583, 0.4158,
0.3940

■ 25.0466, 0.5404,
0.4088

■ 45.3534, 0.3904,
0.3813

■ 24.9558, 0.5412,
0.4085

■ 50.1914, 0.3672,
0.3677

■ 55.4864, 0.3465,
0.3541

■ 61.2519, 0.3282,
0.3410

■ 67.5005, 0.3121,
0.3285

■ 74.2444, 0.2981,
0.3169

■ 81.3237, 0.2874,
0.3088

Harmonies

Analogous

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



33.4340, 0.4774, 0.3517



33.4340, 0.4702, 0.4130



33.4340, 0.4189, 0.4664

Triad

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



33.4340, 0.4702, 0.4130



33.4340, 0.2024, 0.3547



33.4340, 0.2638, 0.2117

Complementary

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



33.4340, 0.4702, 0.4130



24.4580, 0.2047, 0.2125

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.



33.4340, 0.2036, 0.2026



33.4340, 0.4702, 0.4130



33.4340, 0.1719, 0.2710

Square

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



33.4340, 0.4702, 0.4130



33.4340, 0.2641, 0.4442



33.4340, 0.1730, 0.2205



33.4340, 0.3475, 0.2437

Rectangle

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



33.4340, 0.4702, 0.4130



33.4340, 0.3701, 0.4857



33.4340, 0.1730, 0.2205



33.4340, 0.2405, 0.2060

Sweetspot

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



33.4357, 0.4702, 0.4130



81.2043, 0.3497, 0.3563



19.9616, 0.4240, 0.2466



16.9028, 0.3553, 0.3601



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.



33.4357, 0.4702, 0.4130



42.7847, 0.5095, 0.4167



62.7701, 0.4061, 0.4834



13.4432, 0.3279, 0.3408



15.2930, 0.5389, 0.4103



1.0880, 0.5128, 0.4310

Inverse Universe

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



24.4580, 0.2047, 0.2125



28.6195, 0.1879, 0.1827



9.7667, 0.1789, 0.1078



13.0176, 0.2982, 0.3170



9.4116, 0.1771, 0.1577



0.7332, 0.1859, 0.1891

Previews

White Background



This preview shows how the Yxy color 33.4340, 0.4702, 0.4130 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 33.4340, 0.4702, 0.4130 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 33.4340, 0.4702, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 33.4340, 0.4702, 0.4130.



This preview shows how white text looks on a background with the Yxy color 33.4340, 0.4702, 0.4130.

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

33.4340, 0.4702, 0.4130

Protanopia

33.5548, 0.4092, 0.4484

Deuteranopia

33.4559, 0.4437, 0.4347



Tritanopia

33.5156, 0.4007, 0.3171

Trichromacy



Original Color

33.4340, 0.4702, 0.4130

Protanomaly

33.3694, 0.4319, 0.4355

Deuteranomaly

33.4845, 0.4531, 0.4266

Tritanomaly

33.2946, 0.4297, 0.3548

Monochromacy



Original Color

33.4340, 0.4702, 0.4130

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1301, 0.3688, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4340, 0.4702, 0.4130 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(214, 140, 65)` looks like.

```
.text, #text, p{  
    color:rgb(214, 140, 65)  
}
```

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(214, 140, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 140, 65) }
```

Border

The CSS property to change the border of an element to Yxy 33.4340, 0.4702, 0.4130 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(214, 140, 65) }
```

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

```
.border{ border-color:rgb(214, 140, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 140, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 140, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 140, 65);  
box-shadow:4px 4px 4px 4px rgb(214, 140,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4340, 0.4702, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 140, 65) }
```

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

```
.background{ background-color: rgb(214,  
140, 65) }
```

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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