

Converting Colors

$Y_{xy}(34.0214, 0.4736, 0.4211)$

Have a look what the booklet for
Yxy(34.0214, 0.4736, 0.4211)
contains.

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Color

Yxy(33.9476, 0.4732, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	D68E3A
RGB	214, 142, 58
RGB Percent	84%, 56%, 23%
CMY	0.1608, 0.4431, 0.7726
CMYK	0.00, 0.34, 0.73, 0.16
HSL	32°, 66%, 53%
HSV	32°, 73%, 84%
XYZ	38.1658, 33.9476, 8.5413
YIQ	153.9520, 69.8760, -10.8600

Conversions

Conversions Part 2

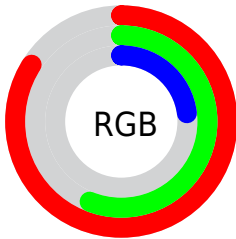
Format	Color
RYB	192, 214, 58
Decimal	14061114
CIELab	64.92, 20.08, 53.90
CIELCh	65, 57.522, 69.568
Yxy	33.9476, 0.4732, 0.4209
Android (android.graphics.Color)	4292251194 (0xFFD68E3A)
YUV	153.9520, -47.3043, 52.6621
Hunter-Lab	58.2646, 14.9623, 32.0935

Details

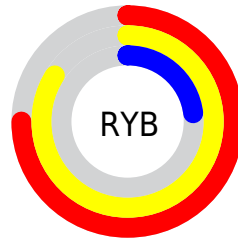
The Yxy color **33.9476, 0.4732, 0.4209** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.7086, 0.1983, 0.1970**, and the grayscale version is **32.4816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8656, 0.4282, 0.4152**, and **14.5243, 0.5109, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **30.9657, 0.4971, 0.4238**, and if you desaturate by 10%, it is **37.2837, 0.4476, 0.4134**.

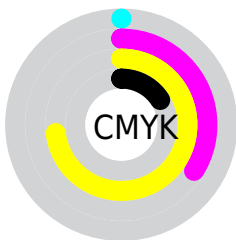
Distribution



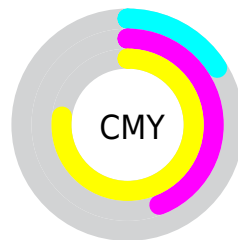
- Red (84%)
- Green (56%)
- Blue (23%)



- Red (75%)
- Yellow (84%)
- Blue (23%)



- Cyan (0%)
- Magenta (34%)
- Yellow (73%)
- Black (16%)




- Cyan (16%)
- Magenta (44%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9476, 0.4732, 0.4209 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 33.9476, 0.4732, 0.4209 by changing the saturation by 10% instead.

 33.9476, 0.4732,
0.4209


 33.9476, 0.4732,
0.4209


 319.8983, 0.3926,
0.3811

 22.8533, 0.4915,
0.4272


 65.8522, 0.4449,
0.4088


 14.4853, 0.5130,
0.4327


 87.4313, 0.4338,
0.4035


 8.4589, 0.5402,
0.4371

 113.2741, 0.4244,
0.3987

 4.3900, 0.5677,
0.4323

 143.7651, 0.4163,
0.3943

 1.8940, 0.5915,
0.4085

 179.2886, 0.4092,
0.3905

 0.5448, 0.6517,
0.3483

 220.2291, 0.4030,

 0.0000, 0.0000,

0.3870

0.0000

266.9709, 0.3975,
0.3839

■ 33.9476, 0.4732,
0.4209

■ 33.9476, 0.4732,
0.4209

■ 30.9657, 0.4971,
0.4238

■ 37.2837, 0.4476,
0.4134

■ 28.3139, 0.5179,
0.4213

■ 40.9852, 0.4217,
0.4025

■ 26.6153, 0.5307,
0.4168

■ 45.0689, 0.3968,
0.3894

■ 49.5484, 0.3737,
0.3751

■ 54.4366, 0.3526,
0.3606

■ 59.7458, 0.3338,
0.3464

■ 65.4873, 0.3172,
0.3328

■ 71.6724, 0.3025,
0.3200

■ 78.3114, 0.2897,
0.3082

Harmonies

Analogous

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



33.9476, 0.4865, 0.3575



33.9476, 0.4732, 0.4209



33.9476, 0.4160, 0.4757

Triad

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



33.9476, 0.4732, 0.4209



33.9476, 0.1933, 0.3464



33.9476, 0.2686, 0.2094

Complementary

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



33.9476, 0.4732, 0.4209



21.7086, 0.1983, 0.1970

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.



33.9476, 0.2037, 0.1976



33.9476, 0.4732, 0.4209



33.9476, 0.1653, 0.2615

Square

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



33.9476, 0.4732, 0.4209



33.9476, 0.2544, 0.4430



33.9476, 0.1694, 0.2129



33.9476, 0.3574, 0.2443

Rectangle

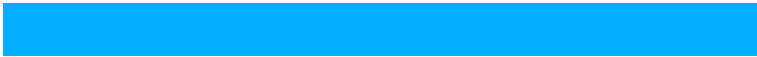
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9476, 0.4732, 0.4209



33.9476, 0.3640, 0.4940



33.9476, 0.1694, 0.2129



33.9476, 0.2437, 0.2027

Sweetspot

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



33.9493, 0.4732, 0.4209



81.4820, 0.3513, 0.3596



18.9519, 0.4409, 0.2508



16.9986, 0.3568, 0.3636



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.



33.9493, 0.4732, 0.4209



44.0363, 0.5079, 0.4232



61.9181, 0.4044, 0.4905



13.5177, 0.3278, 0.3416



16.2994, 0.5286, 0.4185



1.1479, 0.5047, 0.4375

Inverse Universe

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



21.7086, 0.1983, 0.1970



25.0157, 0.1823, 0.1663



8.9417, 0.1762, 0.1003



12.9435, 0.2982, 0.3161



8.5016, 0.1739, 0.1461



0.6773, 0.1831, 0.1790

Previews

White Background



This preview shows how the Yxy color 33.9476, 0.4732, 0.4209 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 33.9476, 0.4732, 0.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

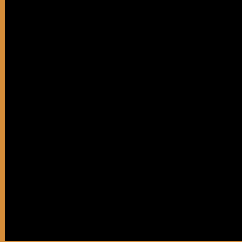
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9476, 0.4732, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 33.9476, 0.4732, 0.4209.



This preview shows how white text looks on a background with the Yxy color 33.9476, 0.4732, 0.4209.

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

33.9476, 0.4732, 0.4209

Protanopia

34.0427, 0.4153, 0.4557

Deuteranopia

33.9685, 0.4494, 0.4407



Tritanopia

33.8183, 0.3991, 0.3171

Trichromacy



Original Color

33.9476, 0.4732, 0.4209

Protanomaly

33.7405, 0.4370, 0.4427

Deuteranomaly

33.8594, 0.4579, 0.4331

Tritanomaly

33.5299, 0.4313, 0.3584

Monochromacy



Original Color

33.9476, 0.4732, 0.4209

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3747, 0.3715, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9476, 0.4732, 0.4209 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, 142, 58)` looks like.

```
.text, #text, p{  
    color:rgb(214, 142, 58)  
}
```

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, 142, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 142, 58) }
```

Border

The CSS property to change the border of an element to Yxy 33.9476, 0.4732, 0.4209 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, 142, 58) }
```

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

```
.border{ border-color:rgb(214, 142, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 142, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 142, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 142, 58);  
box-shadow:4px 4px 4px 4px rgb(214, 142,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9476, 0.4732, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 142, 58) }
```

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

```
.background{ background-color: rgb(214,  
142, 58) }
```

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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