

Converting Colors

$Yxy(33.0062, 0.4846, 0.4211)$

Have a look what the booklet for
Yxy(33.0062, 0.4846, 0.4211)
contains.

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Color

Yxy(33.0062, 0.4846, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	D88A32
RGB	216, 138, 50
RGB Percent	85%, 54%, 20%
CMY	0.1530, 0.4588, 0.8037
CMYK	0.00, 0.36, 0.77, 0.15
HSL	32°, 68%, 52%
HSV	32°, 77%, 85%
XYZ	37.9834, 33.0062, 7.3913
YIQ	151.2900, 74.7360, -10.8320

Conversions

Conversions Part 2

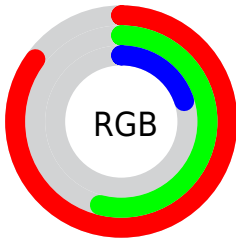
Format	Color
RYB	197, 216, 50
Decimal	14191154
CIELab	64.17, 22.75, 56.63
CIElCh	64, 61.028, 68.117
Yxy	33.0062, 0.4846, 0.4211
Android (android.graphics.Color)	4292381234 (0xFFD88A32)
YUV	151.2900, -49.9360, 56.7507
Hunter-Lab	57.4510, 17.4749, 32.5878

Details

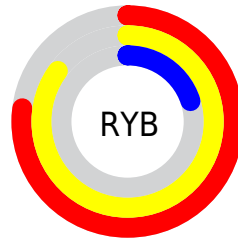
The Yxy color **33.0062, 0.4846, 0.4211** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.0848, 0.1941, 0.1909**, and the grayscale version is **31.2754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9186, 0.4362, 0.4183**, and **14.0474, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **30.0851, 0.5079, 0.4217**, and if you desaturate by 10%, it is **36.2909, 0.4590, 0.4155**.

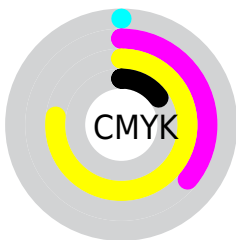
Distribution



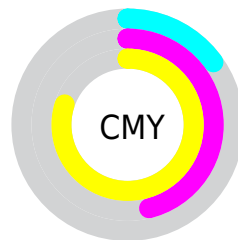
- Red (85%)
- Green (54%)
- Blue (20%)



- Red (77%)
- Yellow (85%)
- Blue (20%)



- Cyan (0%)
- Magenta (36%)
- Yellow (77%)
- Black (15%)



- Cyan (15%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0062, 0.4846, 0.4211 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 33.0062, 0.4846, 0.4211 by changing the saturation by 10% instead.


 33.0062, 0.4846,
0.4211


 33.0062, 0.4846,
0.4211


315.6777, 0.3985,
0.3826


 22.1312, 0.5038,
0.4264


 64.3852, 0.4545,
0.4100

 13.9533, 0.5261,
0.4301


 85.6580, 0.4428,
0.4048

 8.0882, 0.5572,
0.4343


 111.1655, 0.4327,
0.4002

 4.1514, 0.5792,
0.4208

 141.2921, 0.4239,
0.3959

 1.7586, 0.6066,
0.3934

 176.4223, 0.4163,
0.3921

 0.4612, 0.6850,
0.3150

 216.9403, 0.4097,

 0.0000, 0.0000,

0.3886

0.0000

263.2306, 0.4038,
0.3854

■ 33.0062, 0.4846,
0.4211

■ 33.0062, 0.4846,
0.4211

■ 30.0851, 0.5079,
0.4217

■ 36.2909, 0.4590,
0.4155

■ 27.5008, 0.5275,
0.4169

■ 39.9522, 0.4327,
0.4060

■ 26.7432, 0.5333,
0.4147

■ 44.0079, 0.4070,
0.3937

■ 48.4730, 0.3829,
0.3800

■ 53.3613, 0.3608,
0.3658

■ 58.6859, 0.3410,
0.3516

■ 64.4591, 0.3235,
0.3379

■ 70.6928, 0.3080,
0.3250

■ 77.3983, 0.2946,
0.3130

Harmonies

Analogous

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



33.0062, 0.4974, 0.3542



33.0062, 0.4846, 0.4211



33.0062, 0.4246, 0.4819

Triad

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



33.0062, 0.4846, 0.4211



33.0062, 0.1881, 0.3522



33.0062, 0.2614, 0.2016

Complementary

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



33.0062, 0.4846, 0.4211



21.0848, 0.1941, 0.1909

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.



33.0062, 0.1947, 0.1903



33.0062, 0.4846, 0.4211



33.0062, 0.1576, 0.2597

Square

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



33.0062, 0.4846, 0.4211



33.0062, 0.2536, 0.4565



33.0062, 0.1606, 0.2072



33.0062, 0.3553, 0.2371

Rectangle

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



33.0062, 0.4846, 0.4211



33.0062, 0.3698, 0.5050



33.0062, 0.1606, 0.2072



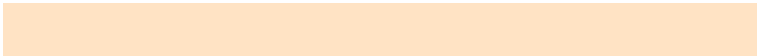
33.0062, 0.2356, 0.1950

Sweetspot

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



33.0079, 0.4846, 0.4211



80.4389, 0.3534, 0.3606



18.5022, 0.4466, 0.2466



16.6281, 0.3609, 0.3658



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.



33.0079, 0.4846, 0.4211



41.4855, 0.5202, 0.4194



63.5217, 0.4091, 0.4937



13.4996, 0.3278, 0.3414



16.0477, 0.5311, 0.4165



1.1331, 0.5067, 0.4359

Inverse Universe

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



21.0848, 0.1941, 0.1909



23.5125, 0.1789, 0.1592



7.9946, 0.1690, 0.0901



12.9614, 0.2982, 0.3163



8.7149, 0.1747, 0.1489



0.6906, 0.1838, 0.1815

Previews

White Background



This preview shows how the Yxy color 33.0062, 0.4846, 0.4211 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 33.0062, 0.4846, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

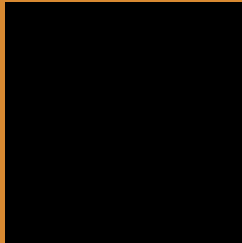
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0062, 0.4846, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 33.0062, 0.4846, 0.4211.



This preview shows how white text looks on a background with the Yxy color 33.0062, 0.4846, 0.4211.

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

33.0062, 0.4846, 0.4211

Protanopia

33.0514, 0.4201, 0.4623

Deuteranopia

33.1128, 0.4565, 0.4465



Tritanopia

32.9367, 0.4077, 0.3173

Trichromacy



Original Color

33.0062, 0.4846, 0.4211

Protanomaly

32.5708, 0.4441, 0.4468

Deuteranomaly

32.8483, 0.4673, 0.4371

Tritanomaly

32.6241, 0.4417, 0.3592

Monochromacy



Original Color

33.0062, 0.4846, 0.4211

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.8866, 0.3774, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0062, 0.4846, 0.4211 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(216, 138, 50)` looks like.

```
.text, #text, p{  
    color:rgb(216, 138, 50)  
}
```

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(216, 138, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 138, 50) }
```

Border

The CSS property to change the border of an element to Yxy 33.0062, 0.4846, 0.4211 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(216, 138, 50) }
```

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

```
.border{ border-color:rgb(216, 138, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 138, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 138, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 138, 50);  
box-shadow:4px 4px 4px 4px rgb(216, 138,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0062, 0.4846, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 138, 50) }
```

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

```
.background{ background-color: rgb(216,  
138, 50) }
```

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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