

Converting Colors

$Y_{xy}(33.5570, 0.4967, 0.4405)$

Have a look what the booklet for
Yxy(33.5570, 0.4967, 0.4405)
contains.

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Color

Yxy(33.6706, 0.4963, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	D88D0A
RGB	216, 141, 10
RGB Percent	85%, 55%, 4%
CMY	0.1530, 0.4470, 0.9610
CMYK	0.00, 0.35, 0.95, 0.15
HSL	38°, 91%, 44%
HSV	38°, 95%, 85%
XYZ	37.8928, 33.6706, 4.7872
YIQ	148.4910, 86.7510, -24.8410

Conversions

Conversions Part 2

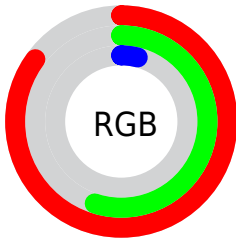
Format	Color
R _Y B	128, 216, 10
Decimal	14191882
CIE Lab	64.70, 20.15, 68.55
CIE LCh	65, 71.450, 73.620
Yxy	33.6706, 0.4963, 0.4410
Android (android.graphics.Color)	4292381962 (0xFFD88D0A)
YUV	148.4910, -68.2761, 59.2054
Hunter-Lab	58.0264, 15.0192, 35.7270

Details

The Yxy color **33.6706, 0.4963, 0.4410** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.5020, 0.1683, 0.1229**, and the grayscale version is **30.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8120, 0.4491, 0.4401**, and **14.4507, 0.5138, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **32.6006, 0.5026, 0.4391**, and if you desaturate by 10%, it is **36.1528, 0.4810, 0.4426**.

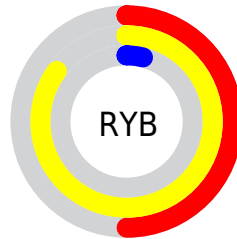
Distribution



Red (85%)

Green (55%)

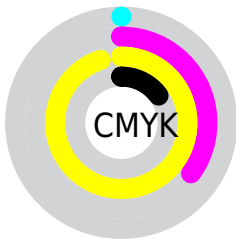
Blue (4%)



Red (50%)

Yellow (85%)

Blue (4%)

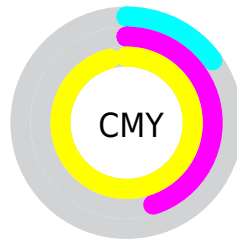


Cyan (0%)

Magenta (35%)

Yellow (95%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6706, 0.4963, 0.4410 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 33.6706, 0.4963, 0.4410 by changing the saturation by 10% instead.


 33.6706, 0.4963,
0.4410


 33.6706, 0.4963,
0.4410


318.6608, 0.4087,
0.3965


 22.6407, 0.5135,
0.4458


 65.4211, 0.4673,
0.4291

 14.3284, 0.5327,
0.4486


 86.9104, 0.4554,
0.4233

 8.3494, 0.5532,
0.4468


 112.6550, 0.4450,
0.4178

 4.3193, 0.5684,
0.4316

 143.0393, 0.4359,
0.4127

 1.8538, 0.5925,
0.4075

 178.4476, 0.4278,
0.4081

 0.5203, 0.6566,
0.3434

 219.2644, 0.4207,

 0.0000, 0.0000,

0.4039

0.0000

265.8739, 0.4143,
0.4000

33.6706, 0.4963,
0.4410

33.6706, 0.4963,
0.4410

32.6006, 0.5026,
0.4391

36.1528, 0.4810,
0.4426

38.8774, 0.4625,
0.4389

41.8625, 0.4417,
0.4305

45.1219, 0.4197,
0.4183

48.6676, 0.3976,
0.4035

■ 52.5109, 0.3763,
0.3872

■ 56.6619, 0.3562,
0.3703

■ 61.1302, 0.3377,
0.3536

■ 65.9248, 0.3210,
0.3374

Harmonies

Analogous

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



33.6706, 0.5270, 0.3658



33.6706, 0.4963, 0.4410



33.6706, 0.4188, 0.5113

Triad

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



33.6706, 0.4963, 0.4410



33.6706, 0.1613, 0.3310



33.6706, 0.2707, 0.1914

Complementary

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



33.6706, 0.4963, 0.4410



11.5020, 0.1683, 0.1229

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.



33.6706, 0.1900, 0.1735



33.6706, 0.4963, 0.4410



33.6706, 0.1367, 0.2331

Square

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



33.6706, 0.4963, 0.4410



33.6706, 0.2264, 0.4602



33.6706, 0.1467, 0.1846



33.6706, 0.3824, 0.2345

Rectangle

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



33.6706, 0.4963, 0.4410



33.6706, 0.3546, 0.5359



33.6706, 0.1467, 0.1846



33.6706, 0.2396, 0.1824

Sweetspot

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



33.6723, 0.4963, 0.4410



80.1382, 0.3638, 0.3769



15.4746, 0.5405, 0.2781



16.5999, 0.3725, 0.3842



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.



33.6723, 0.4963, 0.4410



47.1815, 0.5036, 0.4384



59.8757, 0.3961, 0.5216



13.7248, 0.3275, 0.3438



19.5131, 0.5010, 0.4404



1.3319, 0.4833, 0.4545

Inverse Universe

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



11.5020, 0.1683, 0.1229



15.0085, 0.1646, 0.1126



5.5735, 0.1577, 0.0662



12.7410, 0.2982, 0.3138



6.3968, 0.1658, 0.1170



0.5408, 0.1756, 0.1521

Previews

White Background



This preview shows how the Yxy color 33.6706, 0.4963, 0.4410 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 33.6706, 0.4963, 0.4410 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 33.6706, 0.4963, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 33.6706, 0.4963, 0.4410.



This preview shows how white text looks on a background with the Yxy color 33.6706, 0.4963, 0.4410.

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

33.6706, 0.4963, 0.4410

Protanopia

33.8445, 0.4364, 0.4848

Deuteranopia

33.6370, 0.4723, 0.4632



Tritanopia

33.6853, 0.4055, 0.3173

Trichromacy



Original Color

33.6706, 0.4963, 0.4410

Protanomaly

33.5673, 0.4583, 0.4690

Deuteranomaly

33.5457, 0.4811, 0.4549

Tritanomaly

33.3339, 0.4555, 0.3781

Monochromacy



Original Color

33.6706, 0.4963, 0.4410

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.0169, 0.3922, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6706, 0.4963, 0.4410 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, 141, 10)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 10)  
}
```

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, 141, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 10) }
```

Border

The CSS property to change the border of an element to Yxy 33.6706, 0.4963, 0.4410 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, 141, 10) }
```

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

```
.border{ border-color:rgb(216, 141, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 141, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 141, 10);  
box-shadow:4px 4px 4px 4px rgb(216, 141,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6706, 0.4963, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 10) }
```

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

```
.background{ background-color: rgb(216,  
141, 10) }
```

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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