

Converting Colors

$Y_{xy}(33.6726, 0.4759, 0.4308)$

Have a look what the booklet for
Yxy(33.6726, 0.4759, 0.4308)
contains.

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Color

Yxy(33.7072, 0.4755, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	D38F30
RGB	211, 143, 48
RGB Percent	83%, 56%, 19%
CMY	0.1727, 0.4391, 0.8118
CMYK	0.00, 0.32, 0.77, 0.17
HSL	35°, 65%, 51%
HSV	35°, 77%, 83%
XYZ	37.2133, 33.7072, 7.3409
YIQ	152.5020, 71.0230, -15.1290

Conversions

Conversions Part 2

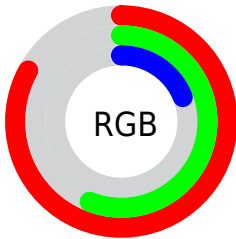
Format	Color
R _Y B	165, 211, 48
Decimal	13864752
CIE Lab	64.73, 17.81, 57.79
CIE LCh	65, 60.471, 72.870
Yxy	33.7072, 0.4755, 0.4307
Android (android.graphics.Color)	4292054832 (0xFFD38F30)
YUV	152.5020, -51.5195, 51.3027
Hunter-Lab	58.0579, 12.8116, 33.1438

Details

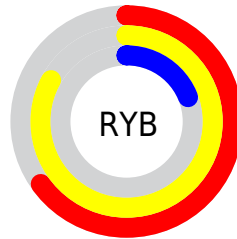
The Yxy color **33.7072, 0.4755, 0.4307** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.8089, 0.1901, 0.1762**, and the grayscale version is **31.8333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1321, 0.4334, 0.4237**, and **14.4080, 0.5056, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **31.0354, 0.4960, 0.4323**, and if you desaturate by 10%, it is **36.6723, 0.4526, 0.4241**.

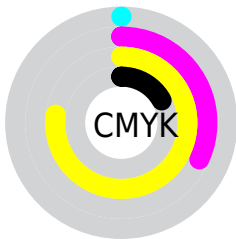
Distribution



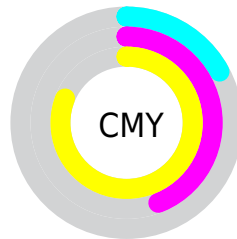
- Red (83%)
- Green (56%)
- Blue (19%)



- Red (65%)
- Yellow (83%)
- Blue (19%)



- Cyan (0%)
- Magenta (32%)
- Yellow (77%)
- Black (17%)





- Cyan (17%)
- Magenta (44%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7072, 0.4755, 0.4307 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 33.7072, 0.4755, 0.4307 by changing the saturation by 10% instead.


 33.7072, 0.4755,
0.4307


 33.7072, 0.4755,
0.4307


318.8245, 0.3948,
0.3866


 22.6688, 0.4931,
0.4375


 65.4781, 0.4476,
0.4174


 14.3491, 0.5133,
0.4433


 86.9793, 0.4366,
0.4115


 8.3639, 0.5416,
0.4505


 112.7369, 0.4271,
0.4062

 4.3287, 0.5595,
0.4405

 143.1353, 0.4189,
0.4014

 1.8591, 0.5812,
0.4188

 178.5589, 0.4117,
0.3971

 0.5236, 0.6412,
0.3588

 219.3920, 0.4054,

 0.0000, 0.0000,

0.3933

0.0000

266.0191, 0.3998,
0.3898

■ 33.7072, 0.4755,
0.4307

■ 33.7072, 0.4755,
0.4307

■ 31.0354, 0.4960,
0.4323

■ 36.6723, 0.4526,
0.4241

■ 28.6330, 0.5131,
0.4287

■ 39.9405, 0.4286,
0.4136

■ 28.0120, 0.5176,
0.4272

■ 43.5269, 0.4047,
0.4003

■ 47.4435, 0.3819,
0.3854

■ 51.7015, 0.3607,
0.3699

■ 56.3116, 0.3414,
0.3544

■ 61.2837, 0.3241,
0.3394

■ 66.6272, 0.3087,
0.3252

■ 72.3512, 0.2951,
0.3119

Harmonies

Analogous

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



33.7072, 0.4966, 0.3646



33.7072, 0.4755, 0.4307



33.7072, 0.4113, 0.4871

Triad

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



33.7072, 0.4755, 0.4307



33.7072, 0.1827, 0.3354



33.7072, 0.2755, 0.2073

Complementary

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



33.7072, 0.4755, 0.4307



17.8089, 0.1901, 0.1762

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.



33.7072, 0.2046, 0.1921



33.7072, 0.4755, 0.4307



33.7072, 0.1579, 0.2500

Square

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



33.7072, 0.4755, 0.4307



33.7072, 0.2425, 0.4399



33.7072, 0.1658, 0.2042



33.7072, 0.3703, 0.2457

Rectangle

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



33.7072, 0.4755, 0.4307



33.7072, 0.3557, 0.5038



33.7072, 0.1658, 0.2042



33.7072, 0.2484, 0.1994

Sweetspot

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



33.7089, 0.4755, 0.4307



82.1598, 0.3527, 0.3636



17.2811, 0.4623, 0.2559



17.0443, 0.3600, 0.3693



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.



33.7089, 0.4755, 0.4307



45.1214, 0.5080, 0.4304



59.0799, 0.4025, 0.4988



12.9369, 0.3276, 0.3425



17.1174, 0.5157, 0.4287



1.1119, 0.4934, 0.4465

Inverse Universe

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



17.8089, 0.1901, 0.1762



20.0062, 0.1737, 0.1411



7.7413, 0.1725, 0.0914



12.2160, 0.2982, 0.3151



7.2401, 0.1702, 0.1325



0.5599, 0.1803, 0.1690

Previews

White Background



This preview shows how the Yxy color 33.7072, 0.4755, 0.4307 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 33.7072, 0.4755, 0.4307 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 33.7072, 0.4755, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 33.7072, 0.4755, 0.4307.



This preview shows how white text looks on a background with the Yxy color 33.7072, 0.4755, 0.4307.

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

33.7072, 0.4755, 0.4307

Protanopia

33.9318, 0.4221, 0.4657

Deuteranopia

33.5625, 0.4564, 0.4470



Tritanopia

33.8155, 0.3953, 0.3170

Trichromacy



Original Color

33.7072, 0.4755, 0.4307

Protanomaly

33.8403, 0.4412, 0.4528

Deuteranomaly

33.6292, 0.4630, 0.4410

Tritanomaly

33.4425, 0.4318, 0.3635

Monochromacy



Original Color

33.7072, 0.4755, 0.4307

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7314, 0.3738, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7072, 0.4755, 0.4307 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(211, 143, 48)` looks like.

```
.text, #text, p{  
    color:rgb(211, 143, 48)  
}
```

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(211, 143, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 143, 48) }
```

Border

The CSS property to change the border of an element to Yxy 33.7072, 0.4755, 0.4307 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(211, 143, 48) }
```

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

```
.border{ border-color:rgb(211, 143, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 143, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 143, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 143, 48);  
box-shadow:4px 4px 4px 4px rgb(211, 143,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7072, 0.4755, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 143, 48) }
```

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

```
.background{ background-color: rgb(211,  
143, 48) }
```

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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