

Converting Colors

$Y_{xy}(33.2152, 0.5071, 0.4275)$

Have a look what the booklet for
Yxy(33.2152, 0.5071, 0.4275)
contains.

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Color

Yxy(33.0738, 0.5071, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	DF8716
RGB	223, 135, 22
RGB Percent	87%, 53%, 9%
CMY	0.1255, 0.4706, 0.9142
CMYK	0.00, 0.39, 0.90, 0.13
HSL	34°, 82%, 48%
HSV	34°, 90%, 87%
XYZ	39.2413, 33.0738, 5.0686
YIQ	148.4300, 88.7210, -16.4870

Conversions

Conversions Part 2

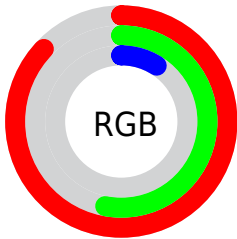
Format	Color
RYB	179, 223, 22
Decimal	14649110
CIELab	64.22, 26.53, 66.37
CIELCh	64, 71.472, 68.209
Yxy	33.0738, 0.5071, 0.4274
Android (android.graphics.Color)	4292839190 (0xFFDF8716)
YUV	148.4300, -62.3300, 65.3979
Hunter-Lab	57.5098, 21.1556, 35.0313

Details

The Yxy color **33.0738, 0.5071, 0.4274** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **16.6257, 0.1781, 0.1542**, and the grayscale version is **30.0374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2493, 0.4513, 0.4315**, and **14.0741, 0.5311, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **30.4647, 0.5240, 0.4221**, and if you desaturate by 10%, it is **36.0504, 0.4865, 0.4280**.

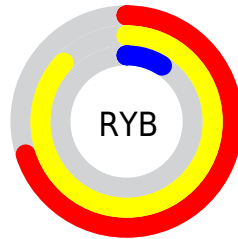
Distribution



Red (87%)

Green (53%)

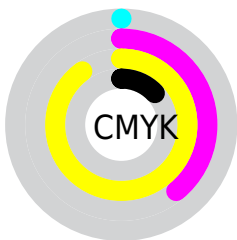
Blue (9%)



Red (70%)

Yellow (87%)

Blue (9%)

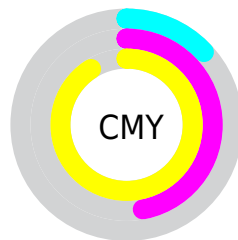


Cyan (0%)

Magenta (39%)

Yellow (90%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0738, 0.5071, 0.4274 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 33.0738, 0.5071, 0.4274 by changing the saturation by 10% instead.

 33.0738, 0.5071,
0.4274


 33.0738, 0.5071,
0.4274


315.9821, 0.4127,
0.3903

 22.1830, 0.5264,
0.4304


 64.4907, 0.4754,
0.4182

 13.9914, 0.5481,
0.4306


 85.7856, 0.4625,
0.4134


 8.1147, 0.5735,
0.4265


 111.3174, 0.4513,
0.4088

 4.1684, 0.5930,
0.4070

 141.4703, 0.4416,
0.4045

 1.7682, 0.6237,
0.3763

 176.6289, 0.4330,
0.4005

 0.4672, 0.7051,
0.2949

 217.1774, 0.4254,

 0.0000, 1.0000,

0.3968

0.0000

263.5004, 0.4187,
0.3934

0.0000, 0.0000,
0.0000

33.0738, 0.5071,
0.4274

33.0738, 0.5071,
0.4274

30.4647, 0.5240,
0.4221

36.0504, 0.4865,
0.4280

39.3714, 0.4631,
0.4233

43.0573, 0.4383,
0.4143

47.1248, 0.4135,
0.4021

51.5889, 0.3896,
0.3881

■ 56.4635, 0.3674,
0.3731

■ 61.7618, 0.3472,
0.3580

■ 67.4959, 0.3291,
0.3432

■ 73.6777, 0.3130,
0.3293

Harmonies

Analogous

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



33.0738, 0.5264, 0.3526



33.0738, 0.5071, 0.4274



33.0738, 0.4353, 0.5011

Triad

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



33.0738, 0.5071, 0.4274



33.0738, 0.1692, 0.3538



33.0738, 0.2530, 0.1855

Complementary

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



33.0738, 0.5071, 0.4274



16.6257, 0.1781, 0.1542

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.



33.0738, 0.1789, 0.1725



33.0738, 0.5071, 0.4274



33.0738, 0.1375, 0.2463

Square

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



33.0738, 0.5071, 0.4274



33.0738, 0.2415, 0.4816



33.0738, 0.1418, 0.1895



33.0738, 0.3615, 0.2246

Rectangle

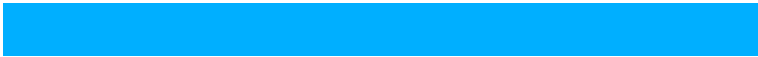
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.0738, 0.5071, 0.4274



33.0738, 0.3726, 0.5336



33.0738, 0.1418, 0.1895



33.0738, 0.2240, 0.1781

Sweetspot

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



33.0755, 0.5071, 0.4274



78.5935, 0.3611, 0.3685



17.4373, 0.4941, 0.2559



16.3096, 0.3683, 0.3738



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.



33.0755, 0.5071, 0.4274



41.0312, 0.5250, 0.4213



66.9761, 0.4095, 0.5083



14.9731, 0.3278, 0.3422



18.1403, 0.5220, 0.4237



1.4347, 0.5019, 0.4397

Inverse Universe

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



16.6257, 0.1781, 0.1542



18.7159, 0.1706, 0.1342



6.2038, 0.1566, 0.0684



14.2252, 0.2981, 0.3155



8.4390, 0.1717, 0.1382



0.7609, 0.1801, 0.1682

Previews

White Background



This preview shows how the Yxy color 33.0738, 0.5071, 0.4274 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 33.0738, 0.5071, 0.4274 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 33.0738, 0.5071, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 33.0738, 0.5071, 0.4274.



This preview shows how white text looks on a background with the Yxy color 33.0738, 0.5071, 0.4274.

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

33.0738, 0.5071, 0.4274

Protanopia

33.4279, 0.4337, 0.4806

Deuteranopia

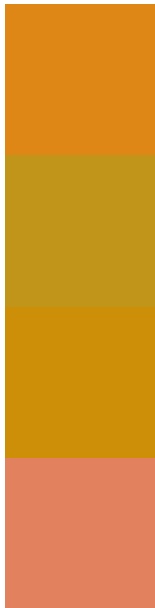
33.0501, 0.4716, 0.4637



Tritanopia

33.1650, 0.4214, 0.3189

Trichromacy



Original Color

33.0738, 0.5071, 0.4274

Protanomaly

32.9069, 0.4610, 0.4607

Deuteranomaly

32.7843, 0.4852, 0.4503

Tritanomaly

32.6774, 0.4652, 0.3687

Monochromacy



Original Color

33.0738, 0.5071, 0.4274

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7182, 0.3916, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0738, 0.5071, 0.4274 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(223, 135, 22)` looks like.

```
.text, #text, p{  
  color:rgb(223, 135, 22)  
}
```

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(223, 135, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 135, 22) }
```

Border

The CSS property to change the border of an element to Yxy 33.0738, 0.5071, 0.4274 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(223, 135, 22) }
```

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

```
.border{ border-color:rgb(223, 135, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 135, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 135, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 135, 22);  
box-shadow:4px 4px 4px 4px rgb(223, 135,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0738, 0.5071, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 135, 22) }
```

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

```
.background{ background-color: rgb(223,  
135, 22) }
```

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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