

Converting Colors

$Y_{xy}(38.2900, 0.4881, 0.4470)$

Have a look what the booklet for
Yxy(38.2900, 0.4881, 0.4470)
contains.

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Color

Yxy(38.1735, 0.4884, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	DF980D
RGB	223, 152, 13
RGB Percent	87%, 60%, 5%
CMY	0.1254, 0.4039, 0.9493
CMYK	0.00, 0.32, 0.94, 0.13
HSL	40°, 89%, 46%
HSV	40°, 94%, 87%
XYZ	41.7370, 38.1735, 5.5461
YIQ	157.3830, 86.9350, -28.1770

Conversions

Conversions Part 2

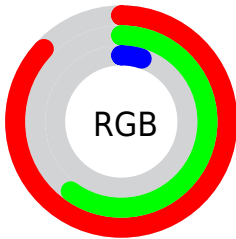
Format	Color
RYB	120, 223, 13
Decimal	14653453
CIELab	68.15, 17.33, 70.95
CIElCh	68, 73.032, 76.270
Yxy	38.1735, 0.4884, 0.4467
Android (android.graphics.Color)	4292843533 (0xFFDF980D)
YUV	157.3830, -71.1808, 57.5461
Hunter-Lab	61.7847, 12.4578, 37.9271

Details

The Yxy color **38.1735, 0.4884, 0.4467** 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 **11.7462, 0.1672, 0.1179**, and the grayscale version is **34.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9818, 0.4386, 0.4469**, and **16.9887, 0.5041, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **36.7548, 0.4956, 0.4447**, and if you desaturate by 10%, it is **40.7949, 0.4739, 0.4472**.

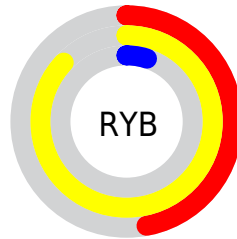
Distribution



Red (87%)

Green (60%)

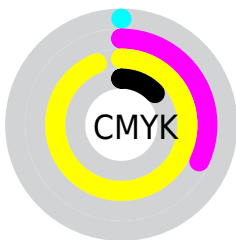
Blue (5%)



Red (47%)

Yellow (87%)

Blue (5%)

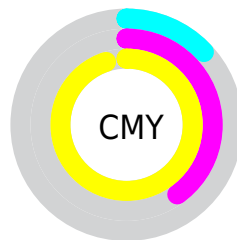


Cyan (0%)

Magenta (32%)

Yellow (94%)

Black (13%)



Cyan (13%)


Magenta (40%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1735, 0.4884, 0.4467 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 38.1735, 0.4884, 0.4467 by changing the saturation by 10% instead.


 38.1735, 0.4884,
0.4467


 38.1735, 0.4884,
0.4467


338.3637, 0.4067,
0.3995


 26.1174, 0.5040,
0.4526

 72.3740, 0.4618,
0.4337


 16.9115, 0.5207,
0.4565


 95.2871, 0.4508,
0.4275


 10.1714, 0.5409,
0.4591


 122.5881, 0.4411,
0.4217

 5.5127, 0.5525,
0.4475

 154.6612, 0.4325,
0.4164

 2.5511, 0.5703,
0.4297

 191.8910, 0.4249,
0.4116

 0.9022, 0.6014,
0.3986

 234.6617, 0.4181,

 0.0000, 1.0000,

0.4072

0.0000

283.3578, 0.4121,
0.4032

0.0000, 0.0000,
0.0000

38.1735, 0.4884,
0.4467

38.1735, 0.4884,
0.4467

36.7548, 0.4956,
0.4447

40.7949, 0.4739,
0.4472

43.6569, 0.4563,
0.4424

46.7780, 0.4364,
0.4331

50.1721, 0.4153,
0.4200

53.8516, 0.3939,
0.4045

■ 57.8277, 0.3732,
0.3875

■ 62.1108, 0.3537,
0.3699

■ 66.7105, 0.3356,
0.3525

■ 71.6360, 0.3191,
0.3358

Harmonies

Analogous

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



38.1735, 0.5232, 0.3724



38.1735, 0.4884, 0.4467



38.1735, 0.4098, 0.5131

Triad

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



38.1735, 0.4884, 0.4467



38.1735, 0.1601, 0.3209



38.1735, 0.2804, 0.1963

Complementary

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



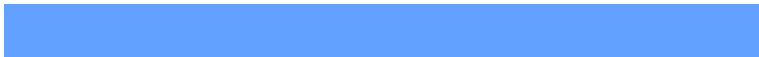
38.1735, 0.4884, 0.4467



11.7462, 0.1672, 0.1179

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.



38.1735, 0.1975, 0.1763



38.1735, 0.4884, 0.4467



38.1735, 0.1388, 0.2289

Square

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



38.1735, 0.4884, 0.4467



38.1735, 0.2210, 0.4468



38.1735, 0.1515, 0.1847



38.1735, 0.3912, 0.2408

Rectangle

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



38.1735, 0.4884, 0.4467



38.1735, 0.3459, 0.5325



38.1735, 0.1515, 0.1847



38.1735, 0.2487, 0.1867

Sweetspot

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



38.1754, 0.4884, 0.4467



81.7790, 0.3613, 0.3770



16.6565, 0.5439, 0.2806



16.9687, 0.3699, 0.3846



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.



38.1754, 0.4884, 0.4467



49.5600, 0.4963, 0.4441



63.9581, 0.3934, 0.5233



15.2083, 0.3275, 0.3445



21.8235, 0.4942, 0.4458



1.6762, 0.4798, 0.4573

Inverse Universe

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



11.7462, 0.1672, 0.1179



13.9082, 0.1627, 0.1058



6.1599, 0.1597, 0.0677



13.9968, 0.2981, 0.3130



6.3102, 0.1638, 0.1097



0.5990, 0.1725, 0.1408

Previews

White Background



This preview shows how the Yxy color 38.1735, 0.4884, 0.4467 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 38.1735, 0.4884, 0.4467 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 38.1735, 0.4884, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 38.1735, 0.4884, 0.4467.



This preview shows how white text looks on a background with the Yxy color 38.1735, 0.4884, 0.4467.

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

38.1735, 0.4884, 0.4467

Protanopia

38.3758, 0.4376, 0.4843

Deuteranopia

38.3026, 0.4725, 0.4630



Tritanopia

38.1397, 0.3969, 0.3165

Trichromacy



Original Color

38.1735, 0.4884, 0.4467

Protanomaly

38.2986, 0.4560, 0.4706

Deuteranomaly

38.2350, 0.4778, 0.4574

Tritanomaly

37.5213, 0.4464, 0.3794

Monochromacy



Original Color

38.1735, 0.4884, 0.4467

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.2864, 0.3882, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1735, 0.4884, 0.4467 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, 152, 13)` looks like.

```
.text, #text, p{  
    color:rgb(223, 152, 13)  
}
```

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, 152, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 152, 13) }
```

Border

The CSS property to change the border of an element to Yxy 38.1735, 0.4884, 0.4467 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, 152, 13) }
```

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

```
.border{ border-color:rgb(223, 152, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 152, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 152, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 152, 13);  
box-shadow:4px 4px 4px 4px rgb(223, 152,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1735, 0.4884, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 152, 13) }
```

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

```
.background{ background-color: rgb(223,  
152, 13) }
```

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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