

Converting Colors

$Y_{xy}(38.0455, 0.4745, 0.4541)$

Have a look what the booklet for
Yxy(38.0455, 0.4745, 0.4541)
contains.

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Color

Yxy(38.1310, 0.4738, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	D69C16
RGB	214, 156, 22
RGB Percent	84%, 61%, 9%
CMY	0.1609, 0.3882, 0.9136
CMYK	0.00, 0.27, 0.90, 0.16
HSL	42°, 81%, 46%
HSV	42°, 90%, 84%
XYZ	39.7590, 38.1310, 6.0251
YIQ	158.0660, 77.5820, -29.3780

Conversions

Conversions Part 2

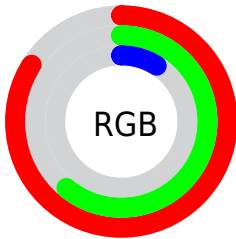
Format	Color
R_{YB}	105, 214, 22
Decimal	14064662
CIE _{Lab}	68.12, 11.37, 68.82
CIE _{LCh}	68, 69.748, 80.621
Yxy	38.1310, 0.4738, 0.4544
Android (android.graphics.Color)	4292254742 (0xFFD69C16)
YUV	158.0660, -67.0805, 49.0541
Hunter-Lab	61.7503, 6.8671, 37.4402

Details

The Yxy color **38.1310, 0.4738, 0.4544** 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 **10.7606, 0.1686, 0.1183**, and the grayscale version is **34.5101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9933, 0.4337, 0.4476**, and **16.9732, 0.4880, 0.4507** is the 20% darker color. If you saturate the color by 10%, you get **35.9649, 0.4853, 0.4526**, and if you desaturate by 10%, it is **40.4791, 0.4594, 0.4517**.

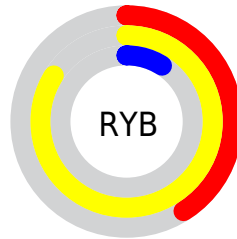
Distribution



Red (84%)

Green (61%)

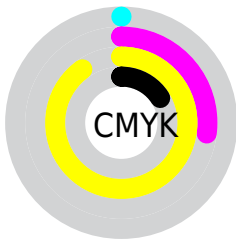
Blue (9%)



Red (41%)

Yellow (84%)

Blue (9%)

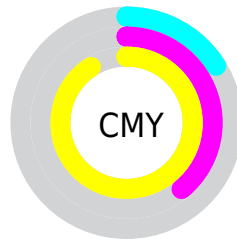


Cyan (0%)

Magenta (27%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (39%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1310, 0.4738, 0.4544 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 38.1310, 0.4738, 0.4544 by changing the saturation by 10% instead.


 38.1310, 0.4738,
0.4544


 38.1310, 0.4738,
0.4544


338.1816, 0.3989,
0.4011

 26.0844, 0.4881,
0.4624


 72.3089, 0.4494,
0.4386


 16.8868, 0.5033,
0.4692

 95.2089, 0.4393,
0.4315

 10.1538, 0.5230,
0.4770

 122.4956, 0.4304,
0.4251

 5.5010, 0.5308,
0.4692

 154.5532, 0.4225,
0.4193

 2.5441, 0.5430,
0.4570

 191.7662, 0.4155,
0.4140

 0.8987, 0.5648,
0.4352

 234.5191, 0.4093,


 0.0000, 1.0000,


0.4093


0.0000


283.1960, 0.4038,
0.4050


 0.0000, 0.0000,
0.0000


 38.1310, 0.4738,
0.4544

 38.1310, 0.4738,
0.4544


 35.9649, 0.4853,
0.4526


 40.4791, 0.4594,
0.4517

 35.9020, 0.4857,
0.4526

 43.0250, 0.4422,
0.4440

 45.7834, 0.4231,
0.4322

 48.7656, 0.4030,
0.4172

 51.9815, 0.3829,
0.4001

■ 55.4402, 0.3633,
0.3820

■ 59.1501, 0.3449,
0.3637

■ 63.1192, 0.3278,
0.3457

■ 67.3547, 0.3123,
0.3285

Harmonies

Analogous

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



38.1310, 0.5139, 0.3827



38.1310, 0.4738, 0.4544



38.1310, 0.3947, 0.5125

Triad

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



38.1310, 0.4738, 0.4544



38.1310, 0.1605, 0.3063



38.1310, 0.2964, 0.2057

Complementary

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



38.1310, 0.4738, 0.4544



10.7606, 0.1686, 0.1183

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.



38.1310, 0.2112, 0.1826



38.1310, 0.4738, 0.4544



38.1310, 0.1444, 0.2245

Square

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



38.1310, 0.4738, 0.4544



38.1310, 0.2144, 0.4241



38.1310, 0.1613, 0.1868



38.1310, 0.4036, 0.2521

Rectangle

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



38.1310, 0.4738, 0.4544



38.1310, 0.3322, 0.5222



38.1310, 0.1613, 0.1868



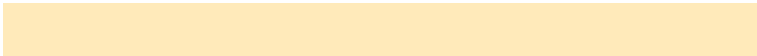
38.1310, 0.2643, 0.1952

Sweetspot

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



38.1329, 0.4738, 0.4544



83.7775, 0.3587, 0.3776



15.4888, 0.5412, 0.2835



17.5365, 0.3653, 0.3839



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.



38.1329, 0.4738, 0.4544



53.1026, 0.4865, 0.4519



57.6944, 0.3882, 0.5242



13.8574, 0.3274, 0.3452



21.8974, 0.4845, 0.4535



1.4630, 0.4706, 0.4646

Inverse Universe

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



10.7606, 0.1686, 0.1183



12.5271, 0.1603, 0.0970



6.3054, 0.1671, 0.0746



12.6140, 0.2982, 0.3123



5.3538, 0.1614, 0.1011



0.4671, 0.1711, 0.1361

Previews

White Background



This preview shows how the Yxy color 38.1310, 0.4738, 0.4544 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 38.1310, 0.4738, 0.4544 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 38.1310, 0.4738, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 38.1310, 0.4738, 0.4544.



This preview shows how white text looks on a background with the Yxy color 38.1310, 0.4738, 0.4544.

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

38.1310, 0.4738, 0.4544

Protanopia

38.2724, 0.4352, 0.4829

Deuteranopia

38.2059, 0.4684, 0.4596



Tritanopia

38.0233, 0.3818, 0.3160

Trichromacy



Original Color

38.1310, 0.4738, 0.4544

Protanomaly

38.1307, 0.4495, 0.4723

Deuteranomaly

38.0170, 0.4702, 0.4577

Tritanomaly

37.4619, 0.4288, 0.3796

Monochromacy



Original Color

38.1310, 0.4738, 0.4544

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6830, 0.3802, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1310, 0.4738, 0.4544 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(214, 156, 22)` looks like.

```
.text, #text, p{  
    color:rgb(214, 156, 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(214, 156, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 156, 22) }
```

Border

The CSS property to change the border of an element to Yxy 38.1310, 0.4738, 0.4544 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(214, 156, 22) }
```

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

```
.border{ border-color:rgb(214, 156, 22) }
```

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

Here you see how a box with a 4 pixel rgb(214, 156, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 156, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 156, 22);  
box-shadow:4px 4px 4px 4px rgb(214, 156,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1310, 0.4738, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 156, 22) }
```

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

```
.background{ background-color: rgb(214,  
156, 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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