

Converting Colors

$Yxy(38.8475, 0.4688, 0.4589)$

Have a look what the booklet for
Yxy(38.8475, 0.4688, 0.4589)
contains.

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Color

Yxy(38.8475, 0.4688, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	D49F15
RGB	212, 159, 21
RGB Percent	83%, 62%, 8%
CMY	0.1686, 0.3765, 0.9173
CMYK	0.00, 0.25, 0.90, 0.17
HSL	43°, 82%, 46%
HSV	43°, 90%, 83%
XYZ	39.6856, 38.8475, 6.1204
YIQ	159.1150, 75.8860, -31.6820

Conversions

Conversions Part 2

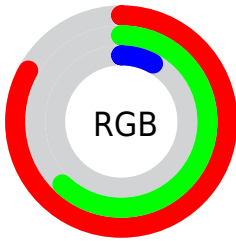
Format	Color
R_{YB}	94, 212, 21
Decimal	13934357
CIE Lab	68.64, 8.88, 69.32
CIE LCh	69, 69.885, 82.700
Yxy	38.8475, 0.4688, 0.4589
Android (android.graphics.Color)	4292124437 (0xFFD49F15)
YUV	159.1150, -68.0907, 46.3801
Hunter-Lab	62.3278, 4.5816, 37.8073

Details

The Yxy color **38.8475, 0.4688, 0.4589** 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 **9.8237, 0.1667, 0.1118**, and the grayscale version is **35.0242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4886, 0.4315, 0.4500**, and **17.4005, 0.4805, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **36.8280, 0.4793, 0.4577**, and if you desaturate by 10%, it is **41.0369, 0.4555, 0.4558**.

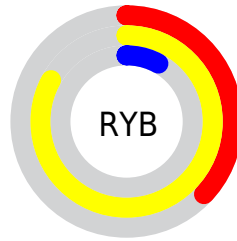
Distribution



Red (83%)

Green (62%)

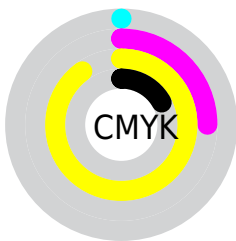
Blue (8%)



Red (37%)

Yellow (83%)

Blue (8%)

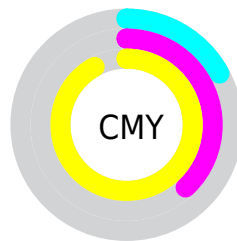


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (17%)



Cyan (17%)

Magenta (38%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8475, 0.4688, 0.4589 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 38.8475, 0.4688, 0.4589 by changing the saturation by 10% instead.


 38.8475, 0.4688,
0.4589


 38.8475, 0.4688,
0.4589


341.2417, 0.3968,
0.4030


 26.6411, 0.4823,
0.4677


 73.4053, 0.4455,
0.4421

 17.3039, 0.4965,
0.4755


 96.5255, 0.4358,
0.4347

 10.4514, 0.5151,
0.4849


 124.0524, 0.4272,
0.4279

 5.6992, 0.5211,
0.4789

 156.3704, 0.4197,
0.4219

 2.6631, 0.5306,
0.4694

 193.8640, 0.4129,
0.4164

 0.9585, 0.5474,
0.4526

 236.9175, 0.4069,

 0.0000, 1.0000,

0.4115

0.0000

285.9152, 0.4016,
0.4071

■ 0.0000, 0.0000,
0.0000

■ 38.8475, 0.4688,
0.4589

■ 38.8475, 0.4688,
0.4589

■ 36.8280, 0.4793,
0.4577

■ 41.0369, 0.4555,
0.4558

■ 43.4024, 0.4395,
0.4479

■ 45.9583, 0.4214,
0.4358

■ 48.7151, 0.4021,
0.4205

■ 51.6824, 0.3826,
0.4030

■ 54.8687, 0.3635,
0.3844

■ 58.2818, 0.3453,
0.3655

■ 61.9291, 0.3283,
0.3469

■ 65.8176, 0.3128,
0.3291

Harmonies

Analogous

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



38.8475, 0.5122, 0.3876



38.8475, 0.4688, 0.4589



38.8475, 0.3883, 0.5143

Triad

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



38.8475, 0.4688, 0.4589



38.8475, 0.1587, 0.2993



38.8475, 0.3035, 0.2086

Complementary

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



38.8475, 0.4688, 0.4589



9.8237, 0.1667, 0.1118

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.



38.8475, 0.2164, 0.1838



38.8475, 0.4688, 0.4589



38.8475, 0.1451, 0.2211

Square

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



38.8475, 0.4688, 0.4589



38.8475, 0.2098, 0.4154



38.8475, 0.1642, 0.1860



38.8475, 0.4105, 0.2563

Rectangle

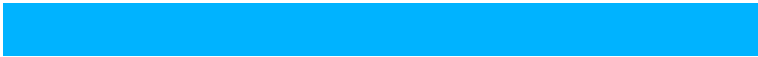
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.8475, 0.4688, 0.4589



38.8475, 0.3257, 0.5202



38.8475, 0.1642, 0.1860



38.8475, 0.2709, 0.1976

Sweetspot

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



38.8494, 0.4688, 0.4589



84.7376, 0.3583, 0.3792



15.0474, 0.5537, 0.2903



17.7647, 0.3647, 0.3857



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.



38.8494, 0.4688, 0.4589



55.6291, 0.4800, 0.4571



55.7584, 0.3829, 0.5285



13.9099, 0.3273, 0.3458



22.9120, 0.4782, 0.4585



1.5178, 0.4658, 0.4684

Inverse Universe

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



9.8237, 0.1667, 0.1118



11.6996, 0.1588, 0.0916



6.3324, 0.1702, 0.0761



12.5643, 0.2982, 0.3117



5.0020, 0.1599, 0.0955



0.4408, 0.1695, 0.1300

Previews

White Background



This preview shows how the Yxy color 38.8475, 0.4688, 0.4589 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 38.8475, 0.4688, 0.4589 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 38.8475, 0.4688, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 38.8475, 0.4688, 0.4589.



This preview shows how white text looks on a background with the Yxy color 38.8475, 0.4688, 0.4589.

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

38.8475, 0.4688, 0.4589

Protanopia

38.8900, 0.4364, 0.4827

Deuteranopia

38.8475, 0.4688, 0.4589



Tritanopia

38.8987, 0.3765, 0.3159

Trichromacy



Original Color

38.8475, 0.4688, 0.4589

Protanomaly

38.8424, 0.4476, 0.4745

Deuteranomaly

38.8475, 0.4688, 0.4589

Tritanomaly

38.3123, 0.4238, 0.3811

Monochromacy



Original Color

38.8475, 0.4688, 0.4589

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3654, 0.3791, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8475, 0.4688, 0.4589 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(212, 159, 21)` looks like.

```
.text, #text, p{  
    color:rgb(212, 159, 21)  
}
```

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(212, 159, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 159, 21) }
```

Border

The CSS property to change the border of an element to Yxy 38.8475, 0.4688, 0.4589 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(212, 159, 21) }
```

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

```
.border{ border-color:rgb(212, 159, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 159, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 159, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 159, 21);  
box-shadow:4px 4px 4px 4px rgb(212, 159,  
21) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.8475, 0.4688, 0.4589$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 159, 21) }
```

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

```
.background{ background-color: rgb(212,  
159, 21) }
```

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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