

Converting Colors

$Y_{xy}(39.0587, 0.4853, 0.4529)$

Have a look what the booklet for
Yxy(39.0587, 0.4853, 0.4529)
contains.

Yxy(38.9723, 0.4858, 0.4525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9723, 0.4858, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	DE9B00
RGB	222, 155, 0
RGB Percent	87%, 61%, 0%
CMY	0.1295, 0.3921, 1.0000
CMYK	0.00, 0.30, 1.00, 0.13
HSL	42°, 100%, 44%
HSV	42°, 100%, 87%
XYZ	41.8403, 38.9723, 5.3140
YIQ	157.3630, 89.6870, -34.0010

Conversions

Conversions Part 2

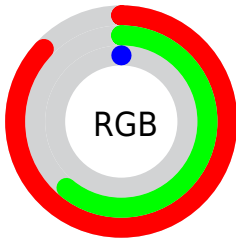
Format	Color
RYB	96, 222, 0
Decimal	14588672
CIELab	68.73, 15.13, 73.00
CIElCh	69, 74.552, 78.287
Yxy	38.9723, 0.4858, 0.4525
Android (android.graphics.Color)	4292778752 (0xFFDE9B00)
YUV	157.3630, -77.5800, 56.6866
Hunter-Lab	62.4278, 10.3855, 38.6525

Details

The Yxy color **38.9723, 0.4858, 0.4525** 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 **9.2825, 0.1606, 0.0982**, and the grayscale version is **34.2170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3827, 0.4382, 0.4518**, and **17.4777, 0.4979, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **38.9745, 0.4858, 0.4525**, and if you desaturate by 10%, it is **41.3245, 0.4744, 0.4545**.

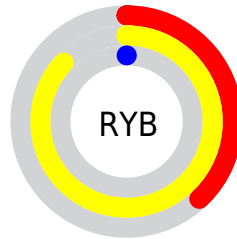
Distribution



Red (87%)

Green (61%)

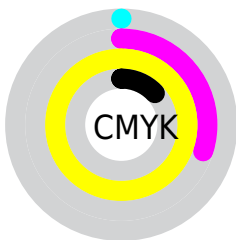
Blue (0%)



Red (38%)

Yellow (87%)

Blue (0%)

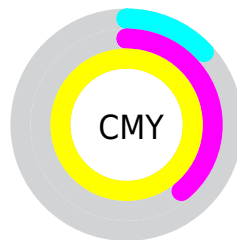


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9723, 0.4858, 0.4525 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 38.9723, 0.4858, 0.4525 by changing the saturation by 10% instead.

 38.9723, 0.4858,
0.4525

 38.9723, 0.4858,
0.4525

341.7727, 0.4064,
0.4028


 26.7382, 0.5005,
0.4588


 73.5960, 0.4603,
0.4387


 17.3767, 0.5161,
0.4634


 96.7544, 0.4496,
0.4322


 10.5034, 0.5339,
0.4661


 124.3229, 0.4402,
0.4261

 5.7340, 0.5439,
0.4561

 156.6861, 0.4318,
0.4205

 2.6840, 0.5592,
0.4408

 194.2283, 0.4243,
0.4155

 0.9691, 0.5860,
0.4140

 237.3338, 0.4177,

 0.0000, 1.0000,

0.4109

0.0000

 286.3872, 0.4118,
0.4067

 0.0000, 0.0000,
0.0000


 38.9723, 0.4858,
0.4525


 38.9723, 0.4858,
0.4525


 38.9745, 0.4858,
0.4525

 41.3245, 0.4744,
0.4545

 43.8676, 0.4601,
0.4520

 46.6275, 0.4430,
0.4445

 49.6186, 0.4239,
0.4328

 52.8530, 0.4038,
0.4179

■ 56.3419, 0.3836,
0.4009

■ 60.0951, 0.3640,
0.3827

■ 64.1218, 0.3455,
0.3643

■ 68.4307, 0.3284,
0.3463

Harmonies

Analogous

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



38.9723, 0.5254, 0.3772



38.9723, 0.4858, 0.4525



38.9723, 0.4041, 0.5186

Triad

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



38.9723, 0.4858, 0.4525



38.9723, 0.1557, 0.3127



38.9723, 0.2868, 0.1972

Complementary

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



38.9723, 0.4858, 0.4525



9.2825, 0.1606, 0.0982

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.



38.9723, 0.2006, 0.1752



38.9723, 0.4858, 0.4525



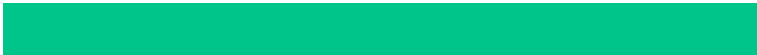
38.9723, 0.1369, 0.2232

Square

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



38.9723, 0.4858, 0.4525



38.9723, 0.2144, 0.4403



38.9723, 0.1519, 0.1815



38.9723, 0.3999, 0.2436

Rectangle

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



38.9723, 0.4858, 0.4525



38.9723, 0.3391, 0.5353



38.9723, 0.1519, 0.1815



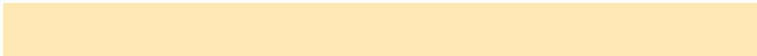
38.9723, 0.2540, 0.1869

Sweetspot

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



38.9745, 0.4858, 0.4525



82.1645, 0.3645, 0.3831



15.9721, 0.5732, 0.2932



17.1103, 0.3727, 0.3909



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.



38.9745, 0.4858, 0.4525



53.1316, 0.4864, 0.4520



62.0889, 0.3869, 0.5310



15.2950, 0.3275, 0.3453



23.3588, 0.4846, 0.4535



1.7740, 0.4721, 0.4633

Inverse Universe

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



9.2825, 0.1606, 0.0982



12.5169, 0.1603, 0.0969



5.7380, 0.1578, 0.0643



13.9141, 0.2981, 0.3122



5.6858, 0.1613, 0.1007



0.5480, 0.1699, 0.1314

Previews

White Background



This preview shows how the Yxy color 38.9723, 0.4858, 0.4525 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 38.9723, 0.4858, 0.4525 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 38.9723, 0.4858, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 38.9723, 0.4858, 0.4525.



This preview shows how white text looks on a background with the Yxy color 38.9723, 0.4858, 0.4525.

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

38.9723, 0.4858, 0.4525

Protanopia

39.3548, 0.4383, 0.4859

Deuteranopia

38.9424, 0.4732, 0.4625



Tritanopia

38.9711, 0.3914, 0.3164

Trichromacy



Original Color

38.9723, 0.4858, 0.4525

Protanomaly

39.1272, 0.4560, 0.4735

Deuteranomaly

39.0526, 0.4770, 0.4594

Tritanomaly

38.2494, 0.4451, 0.3851

Monochromacy



Original Color

38.9723, 0.4858, 0.4525

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5208, 0.3923, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9723, 0.4858, 0.4525 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(222, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 155, 0)  
}
```

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(222, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.9723, 0.4858, 0.4525 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(222, 155, 0) }
```

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

```
.border{ border-color:rgb(222, 155, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 155, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9723, 0.4858, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 155, 0) }
```

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

```
.background{ background-color: rgb(222,  
155, 0) }
```

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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