

Converting Colors

$Y_{xy}(38.6979, 0.4857, 0.4409)$

Have a look what the booklet for
Yxy(38.6979, 0.4857, 0.4409)
contains.

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Color

Yxy(38.5578, 0.4859, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	E1981E
RGB	225, 152, 30
RGB Percent	88%, 60%, 12%
CMY	0.1177, 0.4039, 0.8828
CMYK	0.00, 0.32, 0.87, 0.12
HSL	38°, 77%, 50%
HSV	38°, 87%, 88%
XYZ	42.5124, 38.5578, 6.4219
YIQ	159.9190, 82.6700, -22.4660

Conversions

Conversions Part 2

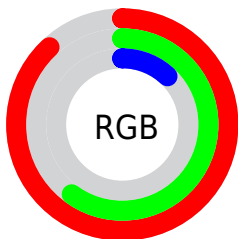
Format	Color
RYB	147, 225, 30
Decimal	14784542
CIELab	68.43, 18.46, 67.72
CIELCh	68, 70.188, 74.752
Yxy	38.5578, 0.4859, 0.4407
Android (android.graphics.Color)	4292974622 (0xFFE1981E)
YUV	159.9190, -64.0501, 57.0760
Hunter-Lab	62.0949, 13.5415, 37.3346

Details

The Yxy color **38.5578, 0.4859, 0.4407** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.3858, 0.1763, 0.1431**, and the grayscale version is **35.3825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1239, 0.4340, 0.4408**, and **17.1999, 0.5063, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **35.8466, 0.5011, 0.4381**, and if you desaturate by 10%, it is **41.5482, 0.4673, 0.4380**.

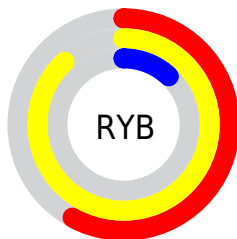
Distribution



Red (88%)

Green (60%)

Blue (12%)



Red (58%)

Yellow (88%)

Blue (12%)

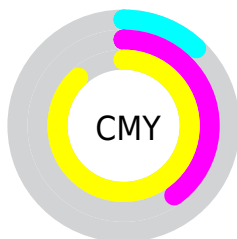


Cyan (0%)

Magenta (32%)

Yellow (87%)

Black (12%)



Cyan (12%)


Magenta (40%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5578, 0.4859, 0.4407 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 38.5578, 0.4859, 0.4407 by changing the saturation by 10% instead.


 38.5578, 0.4859,
0.4407


 38.5578, 0.4859,
0.4407


340.0068, 0.4042,
0.3955


 26.4159, 0.5021,
0.4467


 72.9623, 0.4589,
0.4280

 17.1350, 0.5199,
0.4509

 95.9937, 0.4478,
0.4220

 10.3308, 0.5440,
0.4560


 123.4237, 0.4382,
0.4165

 5.6188, 0.5561,
0.4439

 155.6367, 0.4297,
0.4115

 2.6147, 0.5747,
0.4253

 193.0171, 0.4222,
0.4069

 0.9341, 0.6068,
0.3932

 235.9493, 0.4155,

 0.0000, 1.0000,

0.4027

0.0000

284.8178, 0.4096,
0.3989

■ 0.0000, 0.0000,
0.0000

■ 38.5578, 0.4859,
0.4407

■ 38.5578, 0.4859,
0.4407

■ 35.8466, 0.5011,
0.4381

■ 41.5482, 0.4673,
0.4380

■ 35.0068, 0.5058,
0.4366

■ 44.8311, 0.4463,
0.4305

■ 48.4244, 0.4239,
0.4189

■ 52.3421, 0.4014,
0.4046

■ 56.5968, 0.3796,
0.3886

■ 61.2004, 0.3591,
0.3720

■ 66.1637, 0.3402,
0.3554

■ 71.4971, 0.3232,
0.3393

■ 77.2104, 0.3079,
0.3241

Harmonies

Analogous

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



38.5578, 0.5153, 0.3689



38.5578, 0.4859, 0.4407



38.5578, 0.4122, 0.5044

Triad

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



38.5578, 0.4859, 0.4407



38.5578, 0.1676, 0.3276



38.5578, 0.2770, 0.1989

Complementary

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



38.5578, 0.4859, 0.4407



15.3858, 0.1763, 0.1431

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.



38.5578, 0.1985, 0.1808



38.5578, 0.4859, 0.4407



38.5578, 0.1445, 0.2365

Square

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



38.5578, 0.4859, 0.4407



38.5578, 0.2291, 0.4469



38.5578, 0.1552, 0.1909



38.5578, 0.3827, 0.2413

Rectangle

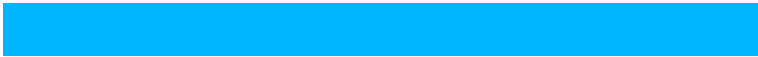
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.5578, 0.4859, 0.4407



38.5578, 0.3509, 0.5236



38.5578, 0.1552, 0.1909



38.5578, 0.2469, 0.1900

Sweetspot

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



38.5598, 0.4859, 0.4407



81.6251, 0.3580, 0.3711



17.9433, 0.5086, 0.2681



17.0013, 0.3650, 0.3769



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.



38.5598, 0.4859, 0.4407



46.2660, 0.5065, 0.4360



66.5319, 0.3984, 0.5139



15.1228, 0.3276, 0.3436



20.4042, 0.5041, 0.4380



1.5845, 0.4876, 0.4511

Inverse Universe

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



15.3858, 0.1763, 0.1431



15.4752, 0.1654, 0.1154



7.1062, 0.1642, 0.0753



14.0792, 0.2981, 0.3139



7.0081, 0.1665, 0.1195



0.6538, 0.1751, 0.1504

Previews

White Background



This preview shows how the Yxy color 38.5578, 0.4859, 0.4407 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 38.5578, 0.4859, 0.4407 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 38.5578, 0.4859, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 38.5578, 0.4859, 0.4407.



This preview shows how white text looks on a background with the Yxy color 38.5578, 0.4859, 0.4407.

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

38.5578, 0.4859, 0.4407

Protanopia

38.8121, 0.4325, 0.4792

Deuteranopia

38.7153, 0.4669, 0.4583



Tritanopia

38.6019, 0.3975, 0.3177

Trichromacy



Original Color

38.5578, 0.4859, 0.4407

Protanomaly

38.3680, 0.4517, 0.4649

Deuteranomaly

38.4550, 0.4743, 0.4514

Tritanomaly

38.2985, 0.4407, 0.3726

Monochromacy



Original Color

38.5578, 0.4859, 0.4407

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4965, 0.3827, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5578, 0.4859, 0.4407 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(225, 152, 30)` looks like.

```
.text, #text, p{  
    color:rgb(225, 152, 30)  
}
```

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(225, 152, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 152, 30) }
```

Border

The CSS property to change the border of an element to Yxy 38.5578, 0.4859, 0.4407 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(225, 152, 30) }
```

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

```
.border{ border-color:rgb(225, 152, 30) }
```

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

Here you see how a box with a 4 pixel rgb(225, 152, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 152, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 152, 30);  
box-shadow:4px 4px 4px 4px rgb(225, 152,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5578, 0.4859, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 152, 30) }
```

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

```
.background{ background-color: rgb(225,  
152, 30) }
```

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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