

Converting Colors

$Y_{xy}(40.5770, 0.4770, 0.4273)$

Have a look what the booklet for
Yxy(40.5770, 0.4770, 0.4273)
contains.

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Color

Yxy(40.7074, 0.4768, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	E79B37
RGB	231, 155, 55
RGB Percent	91%, 61%, 22%
CMY	0.0940, 0.3922, 0.7844
CMYK	0.00, 0.33, 0.76, 0.09
HSL	34°, 79%, 56%
HSV	34°, 76%, 91%
XYZ	45.3700, 40.7074, 9.0778
YIQ	166.3240, 77.3960, -14.9880

Conversions

Conversions Part 2

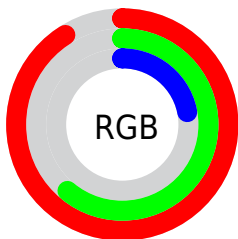
Format	Color
RYB	189, 231, 55
Decimal	15178551
CIELab	69.97, 20.20, 60.85
CIElCh	70, 64.119, 71.636
Yxy	40.7074, 0.4768, 0.4278
Android (android.graphics.Color)	4293368631 (0xFFE79B37)
YUV	166.3240, -54.8827, 56.7209
Hunter-Lab	63.8024, 15.2777, 36.2259

Details

The Yxy color **40.7074, 0.4768, 0.4278** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **22.8155, 0.1919, 0.1815**, and the grayscale version is **38.5416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9436, 0.4212, 0.4287**, and **18.4467, 0.5077, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **37.3528, 0.4983, 0.4294**, and if you desaturate by 10%, it is **44.4441, 0.4529, 0.4212**.

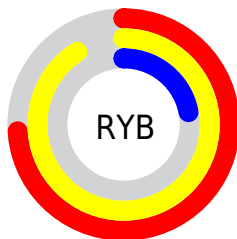
Distribution



Red (91%)

Green (61%)

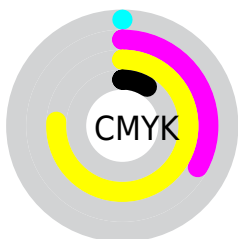
Blue (22%)



Red (74%)

Yellow (91%)

Blue (22%)

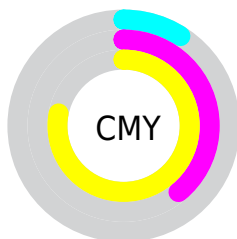


Cyan (0%)

Magenta (33%)

Yellow (76%)

Black (9%)



Cyan (9%)

Magenta (39%)

Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7074, 0.4768, 0.4278 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 40.7074, 0.4768, 0.4278 by changing the saturation by 10% instead.


 40.7074, 0.4768,
0.4278


 40.7074, 0.4768,
0.4278


 349.0962, 0.3979,
0.3869

 28.0905, 0.4936,
0.4339


 76.2395, 0.4499,
0.4158


 18.3939, 0.5128,
0.4391


 99.9236, 0.4392,
0.4103


 11.2332, 0.5353,
0.4425


 128.0654, 0.4300,
0.4054

 6.2239, 0.5598,
0.4402

 161.0495, 0.4219,
0.4009

 2.9817, 0.5785,
0.4215

 199.2603, 0.4147,
0.3969

 1.1222, 0.6099,
0.3901

 243.0820, 0.4085,

 0.0000, 1.0000,

0.3932

0.0000

292.8992, 0.4029,
0.3899

■ 0.0000, 0.0000,
0.0000

■ 40.7074, 0.4768,
0.4278

■ 40.7074, 0.4768,
0.4278

■ 37.3528, 0.4983,
0.4294

■ 44.4441, 0.4529,
0.4212

■ 34.3516, 0.5164,
0.4256

■ 48.5758, 0.4281,
0.4107

■ 33.2928, 0.5226,
0.4232

■ 53.1218, 0.4037,
0.3975


■ 58.0976, 0.3805,
0.3828

■ 63.5179, 0.3591,
0.3675

 69.3963, 0.3397,
0.3523

 75.7457, 0.3224,
0.3377

 82.5784, 0.3071,
0.3239

 89.3870, 0.2981,
0.3187

Harmonies

Analogous

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



40.7074, 0.4955, 0.3619



40.7074, 0.4768, 0.4278



40.7074, 0.4142, 0.4848

Triad

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



40.7074, 0.4768, 0.4278



40.7074, 0.1850, 0.3397



40.7074, 0.2722, 0.2066

Complementary

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



40.7074, 0.4768, 0.4278



22.8155, 0.1919, 0.1815

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.



40.7074, 0.2028, 0.1925



40.7074, 0.4768, 0.4278



40.7074, 0.1588, 0.2531

Square

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



40.7074, 0.4768, 0.4278



40.7074, 0.2459, 0.4432



40.7074, 0.1653, 0.2058



40.7074, 0.3661, 0.2441

Rectangle

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



40.7074, 0.4768, 0.4278



40.7074, 0.3592, 0.5028



40.7074, 0.1653, 0.2058



40.7074, 0.2456, 0.1991

Sweetspot

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



40.7095, 0.4768, 0.4278



81.6728, 0.3529, 0.3628



21.3685, 0.4605, 0.2560



16.9264, 0.3602, 0.3683



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.



40.7095, 0.4768, 0.4278



44.6945, 0.5084, 0.4281



72.5415, 0.4022, 0.4981



15.7203, 0.3278, 0.3423



18.9125, 0.5205, 0.4249



1.5814, 0.5017, 0.4398

Inverse Universe

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



22.8155, 0.1919, 0.1815



21.6072, 0.1764, 0.1495



9.6845, 0.1734, 0.0929



14.9057, 0.2981, 0.3153



8.5541, 0.1712, 0.1363



0.8138, 0.1791, 0.1647

Previews

White Background



This preview shows how the Yxy color 40.7074, 0.4768, 0.4278 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 40.7074, 0.4768, 0.4278 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 40.7074, 0.4768, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 40.7074, 0.4768, 0.4278.



This preview shows how white text looks on a background with the Yxy color 40.7074, 0.4768, 0.4278.

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

40.7074, 0.4768, 0.4278

Protanopia

41.0273, 0.4217, 0.4641

Deuteranopia

40.8894, 0.4558, 0.4465



Tritanopia

40.6556, 0.3979, 0.3168

Trichromacy



Original Color

40.7074, 0.4768, 0.4278

Protanomaly

40.6997, 0.4413, 0.4507

Deuteranomaly

40.7708, 0.4638, 0.4395

Tritanomaly

40.4890, 0.4333, 0.3630

Monochromacy



Original Color

40.7074, 0.4768, 0.4278

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.2942, 0.3742, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7074, 0.4768, 0.4278 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(231, 155, 55)` looks like.

```
.text, #text, p{  
    color:rgb(231, 155, 55)  
}
```

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(231, 155, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 155, 55) }
```

Border

The CSS property to change the border of an element to Yxy 40.7074, 0.4768, 0.4278 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(231, 155, 55) }
```

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

```
.border{ border-color:rgb(231, 155, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 155, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 155, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 155, 55);  
box-shadow:4px 4px 4px 4px rgb(231, 155,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7074, 0.4768, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 155, 55) }
```

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

```
.background{ background-color: rgb(231,  
155, 55) }
```

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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