

Converting Colors

$Y_{xy}(40.7404, 0.4680, 0.4146)$

Have a look what the booklet for
Yxy(40.7404, 0.4680, 0.4146)
contains.

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Color

Yxy(40.7349, 0.4680, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	E89A48
RGB	232, 154, 72
RGB Percent	91%, 60%, 28%
CMY	0.0902, 0.3961, 0.7178
CMYK	0.00, 0.34, 0.69, 0.09
HSL	31°, 78%, 60%
HSV	31°, 69%, 91%
XYZ	46.0037, 40.7349, 11.5599
YIQ	167.9740, 72.8100, -8.9660

Conversions

Conversions Part 2

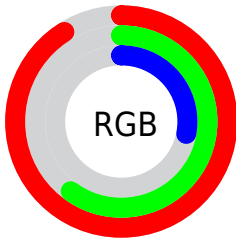
Format	Color
RYB	224, 232, 72
Decimal	15243848
CIELab	69.99, 21.93, 53.56
CIElCh	70, 57.871, 67.733
Yxy	40.7349, 0.4680, 0.4144
Android (android.graphics.Color)	4293433928 (0xFFE89A48)
YUV	167.9740, -47.3152, 56.1508
Hunter-Lab	63.8239, 16.9694, 33.9380

Details

The Yxy color **40.7349, 0.4680, 0.4144** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.9981, 0.2045, 0.2108**, and the grayscale version is **39.3534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3162, 0.4110, 0.4148**, and **18.5148, 0.5054, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **36.9312, 0.4941, 0.4185**, and if you desaturate by 10%, it is **45.0085, 0.4408, 0.4060**.

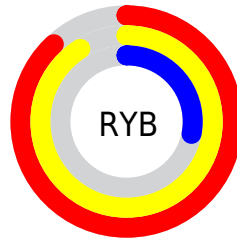
Distribution



Red (91%)

Green (60%)

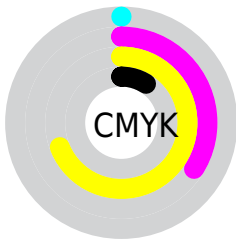
Blue (28%)



Red (88%)

Yellow (91%)

Blue (28%)

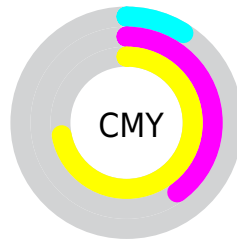


Cyan (0%)

Magenta (34%)

Yellow (69%)

Black (9%)



Cyan (9%)


Magenta (40%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7349, 0.4680, 0.4144 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 40.7349, 0.4680, 0.4144 by changing the saturation by 10% instead.


 40.7349, 0.4680,
0.4144


 40.7349, 0.4680,
0.4144


349.2114, 0.3917,
0.3783

 28.1120, 0.4852,
0.4203


 76.2813, 0.4414,
0.4034


 18.4101, 0.5056,
0.4257


 99.9736, 0.4310,
0.3986


 11.2448, 0.5296,
0.4292


 128.1245, 0.4220,
0.3943

 6.2318, 0.5656,
0.4344

 161.1183, 0.4143,
0.3904

 2.9865, 0.5856,
0.4144

 199.3395, 0.4076,
0.3869

 1.1247, 0.6190,
0.3810

243.1725, 0.4016,

 0.0000, 1.0000,

0.3838

0.0000

293.0017, 0.3963,
0.3809

0.0000, 0.0000,
0.0000

40.7349, 0.4680,
0.4144

40.7349, 0.4680,
0.4144

36.9312, 0.4941,
0.4185

45.0085, 0.4408,
0.4060

33.5678, 0.5176,
0.4173

49.7665, 0.4141,
0.3947

30.6158, 0.5372,
0.4109

55.0301, 0.3890,
0.3816


30.3367, 0.5391,
0.4102

60.8170, 0.3660,
0.3678

67.1437, 0.3454,
0.3539

 74.0261, 0.3272,
0.3405

 81.4791, 0.3112,
0.3278

 89.3516, 0.2987,
0.3184

 95.8964, 0.2988,
0.3290

Harmonies

Analogous

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



40.7349, 0.4766, 0.3536



40.7349, 0.4680, 0.4144



40.7349, 0.4162, 0.4667

Triad

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



40.7349, 0.4680, 0.4144



40.7349, 0.2019, 0.3517



40.7349, 0.2665, 0.2132

Complementary

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



40.7349, 0.4680, 0.4144



28.9981, 0.2045, 0.2108

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.



40.7349, 0.2058, 0.2034



40.7349, 0.4680, 0.4144



40.7349, 0.1725, 0.2695

Square

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



40.7349, 0.4680, 0.4144



40.7349, 0.2623, 0.4408



40.7349, 0.1744, 0.2204



40.7349, 0.3499, 0.2456

Rectangle

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



40.7349, 0.4680, 0.4144



40.7349, 0.3674, 0.4847



40.7349, 0.1744, 0.2204



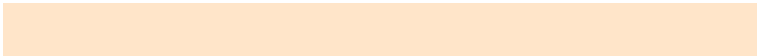
40.7349, 0.2431, 0.2072

Sweetspot

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



40.7370, 0.4680, 0.4144



81.4838, 0.3496, 0.3568



24.0509, 0.4233, 0.2467



16.9691, 0.3552, 0.3607



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.



40.7370, 0.4680, 0.4144



43.8477, 0.5050, 0.4187



75.3390, 0.4059, 0.4830



15.5837, 0.3280, 0.3411



17.0945, 0.5366, 0.4121



1.4491, 0.5149, 0.4294

Inverse Universe

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



28.9981, 0.2045, 0.2108



28.4507, 0.1881, 0.1819



11.8305, 0.1794, 0.1086



15.0408, 0.2981, 0.3166



10.0487, 0.1761, 0.1540



0.9280, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 40.7349, 0.4680, 0.4144 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 40.7349, 0.4680, 0.4144 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 40.7349, 0.4680, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 40.7349, 0.4680, 0.4144.



This preview shows how white text looks on a background with the Yxy color 40.7349, 0.4680, 0.4144.

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

40.7349, 0.4680, 0.4144

Protanopia

40.9880, 0.4089, 0.4490

Deuteranopia

40.7702, 0.4442, 0.4352



Tritanopia

40.6556, 0.3979, 0.3168

Trichromacy



Original Color

40.7349, 0.4680, 0.4144

Protanomaly

40.3974, 0.4307, 0.4360

Deuteranomaly

40.7995, 0.4528, 0.4277

Tritanomaly

40.3226, 0.4278, 0.3553

Monochromacy



Original Color

40.7349, 0.4680, 0.4144

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.9642, 0.3681, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7349, 0.4680, 0.4144 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(232, 154, 72)` looks like.

```
.text, #text, p{  
    color:rgb(232, 154, 72)  
}
```

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(232, 154, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 154, 72) }
```

Border

The CSS property to change the border of an element to Yxy 40.7349, 0.4680, 0.4144 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(232, 154, 72) }
```

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

```
.border{ border-color:rgb(232, 154, 72) }
```

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

Here you see how a box with a 4 pixel rgb(232, 154, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 154, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 154, 72);  
box-shadow:4px 4px 4px 4px rgb(232, 154,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7349, 0.4680, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 154, 72) }
```

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

```
.background{ background-color: rgb(232,  
154, 72) }
```

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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