

Converting Colors

$Y_{xy}(42.3639, 0.4749, 0.4166)$

Have a look what the booklet for
Yxy(42.3639, 0.4749, 0.4166)
contains.

Yxy(42.3714, 0.4740, 0.4168)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3714, 0.4740, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	EE9C44
RGB	238, 156, 68
RGB Percent	93%, 61%, 27%
CMY	0.0667, 0.3882, 0.7335
CMYK	0.00, 0.34, 0.71, 0.07
HSL	31°, 83%, 60%
HSV	31°, 71%, 93%
XYZ	48.1863, 42.3714, 11.1011
YIQ	170.4860, 77.1200, -9.9840

Conversions

Conversions Part 2

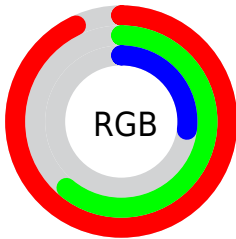
Format	Color
R _Y B	226, 238, 68
Decimal	15637572
CIE Lab	71.13, 23.14, 56.78
CIE LCh	71, 61.320, 67.827
Yxy	42.3714, 0.4740, 0.4168
Android (android.graphics.Color)	4293827652 (0xFFEE9C44)
YUV	170.4860, -50.5256, 59.2098
Hunter-Lab	65.0933, 18.2239, 35.4539

Details

The Yxy color **42.3714, 0.4740, 0.4168** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **29.1887, 0.2009, 0.2043**, and the grayscale version is **40.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2046, 0.4125, 0.4202**, and **19.2697, 0.5119, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **38.4689, 0.4994, 0.4197**, and if you desaturate by 10%, it is **46.7598, 0.4471, 0.4093**.

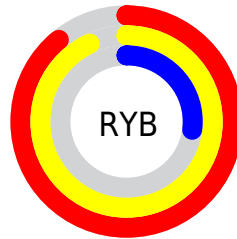
Distribution



Red (93%)

Green (61%)

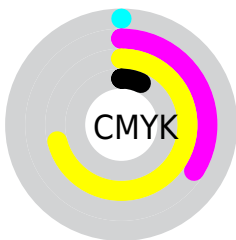
Blue (27%)



Red (89%)

Yellow (93%)

Blue (27%)

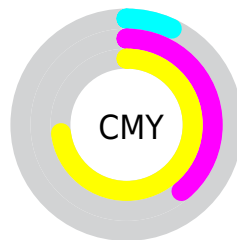


Cyan (0%)

Magenta (34%)

Yellow (71%)

Black (7%)



Cyan (7%)


Magenta (39%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3714, 0.4740, 0.4168 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 42.3714, 0.4740, 0.4168 by changing the saturation by 10% instead.

 42.3714, 0.4740,
0.4168

 42.3714, 0.4740,
0.4168


356.0202, 0.3957,
0.3807

 29.3922, 0.4912,
0.4223


 78.7614, 0.4470,
0.4061


 19.3777, 0.5114,
0.4271


 102.9410, 0.4364,
0.4013


 11.9435, 0.5348,
0.4297


 131.6229, 0.4272,
0.3970

 6.7052, 0.5678,
0.4322

 165.1915, 0.4192,
0.3931

 3.2785, 0.5877,
0.4123

 204.0311, 0.4122,
0.3895

 1.2788, 0.6203,
0.3797

248.5262, 0.4061,

 0.1247, 0.8457,

0.3863

0.1543

299.0611, 0.4006,
0.3833

0.0000, 0.0000,
0.0000

42.3714, 0.4740,
0.4168

42.3714, 0.4740,
0.4168

38.4689, 0.4994,
0.4197

46.7598, 0.4471,
0.4093

35.0205, 0.5216,
0.4172

51.6499, 0.4204,
0.3984


32.4029, 0.5377,
0.4112


57.0643, 0.3949,
0.3855


63.0219, 0.3714,
0.3717

69.5402, 0.3502,
0.3576

 76.6361, 0.3314,
0.3439

 84.3253, 0.3149,
0.3308

 92.4055, 0.3024,
0.3219

 96.9139, 0.3023,
0.3290

Harmonies

Analogous

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



42.3714, 0.4839, 0.3538



42.3714, 0.4740, 0.4168



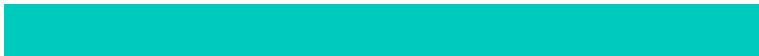
42.3714, 0.4194, 0.4720

Triad

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



42.3714, 0.4740, 0.4168



42.3714, 0.1971, 0.3521



42.3714, 0.2646, 0.2090

Complementary

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



42.3714, 0.4740, 0.4168



29.1887, 0.2009, 0.2043

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.



42.3714, 0.2018, 0.1988



42.3714, 0.4740, 0.4168



42.3714, 0.1672, 0.2662

Square

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



42.3714, 0.4740, 0.4168



42.3714, 0.2594, 0.4464



42.3714, 0.1695, 0.2158



42.3714, 0.3517, 0.2425

Rectangle

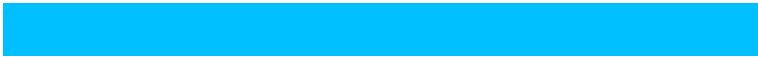
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3714, 0.4740, 0.4168



42.3714, 0.3685, 0.4918



42.3714, 0.1695, 0.2158



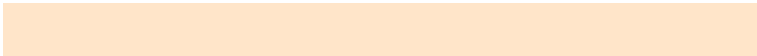
42.3714, 0.2403, 0.2028

Sweetspot

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



42.3736, 0.4740, 0.4168



81.6389, 0.3495, 0.3571



24.5100, 0.4339, 0.2483



17.0060, 0.3551, 0.3610



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.



42.3736, 0.4740, 0.4168



42.9686, 0.5107, 0.4192



79.2425, 0.4058, 0.4878



17.1131, 0.3280, 0.3412



18.3415, 0.5354, 0.4131



1.7251, 0.5160, 0.4285

Inverse Universe

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



29.1887, 0.2009, 0.2043



26.7640, 0.1848, 0.1745



11.6335, 0.1765, 0.1023



16.4863, 0.2980, 0.3164



10.5076, 0.1755, 0.1519



1.0724, 0.1823, 0.1763

Previews

White Background



This preview shows how the Yxy color 42.3714, 0.4740, 0.4168 looks on a white background.

Color Contrast Check

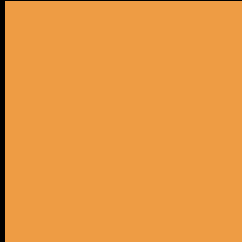
Large Text (above 18pt) WCAG AA × Fail

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 42.3714, 0.4740, 0.4168 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 42.3714, 0.4740, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 42.3714, 0.4740, 0.4168.



This preview shows how white text looks on a background with the Yxy color 42.3714, 0.4740, 0.4168.

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

42.3714, 0.4740, 0.4168

Protanopia

42.6103, 0.4131, 0.4539

Deuteranopia

42.5595, 0.4486, 0.4388



Tritanopia

42.5349, 0.4028, 0.3183

Trichromacy



Original Color

42.3714, 0.4740, 0.4168

Protanomaly

42.1618, 0.4356, 0.4402

Deuteranomaly

42.2416, 0.4581, 0.4304

Tritanomaly

42.1706, 0.4332, 0.3567

Monochromacy



Original Color

42.3714, 0.4740, 0.4168

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2058, 0.3714, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3714, 0.4740, 0.4168 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(238, 156, 68)` looks like.

```
.text, #text, p{  
    color:rgb(238, 156, 68)  
}
```

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(238, 156, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 156, 68) }
```

Border

The CSS property to change the border of an element to Yxy 42.3714, 0.4740, 0.4168 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(238, 156, 68) }
```

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

```
.border{ border-color:rgb(238, 156, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 156, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 156, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 156, 68);  
box-shadow:4px 4px 4px 4px rgb(238, 156,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3714, 0.4740, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 156, 68) }
```

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

```
.background{ background-color: rgb(238,  
156, 68) }
```

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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