

Converting Colors

$Y_{xy}(39.7445, 0.5115, 0.4132)$

Have a look what the booklet for
Yxy(39.7445, 0.5115, 0.4132)
contains.

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Color

Yxy(39.6529, 0.5117, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	F98E2A
RGB	249, 142, 42
RGB Percent	98%, 56%, 16%
CMY	0.0236, 0.4431, 0.8353
CMYK	0.00, 0.43, 0.83, 0.02
HSL	29°, 95%, 57%
HSV	29°, 83%, 98%
XYZ	49.1531, 39.6529, 7.2524
YIQ	162.5930, 95.8720, -8.4160

Conversions

Conversions Part 2

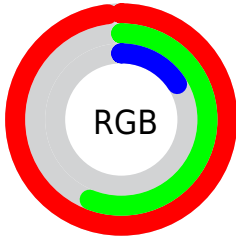
Format	Color
R _Y B	249, 235, 42
Decimal	16354858
CIE Lab	69.22, 34.00, 65.86
CIE LCh	69, 74.120, 62.695
Yxy	39.6529, 0.5117, 0.4128
Android (android.graphics.Color)	4294544938 (0xFFFF98E2A)
YUV	162.5930, -59.4523, 75.7789
Hunter-Lab	62.9705, 29.1337, 37.2509

Details

The Yxy color **39.6529, 0.5117, 0.4128** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.8109, 0.1903, 0.1905**, and the grayscale version is **36.6771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6029, 0.4366, 0.4260**, and **17.7514, 0.5455, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **35.9178, 0.5348, 0.4084**, and if you desaturate by 10%, it is **43.9447, 0.4849, 0.4116**.

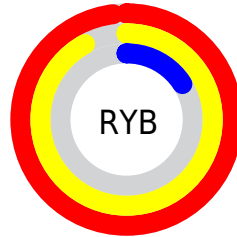
Distribution



Red (98%)

Green (56%)

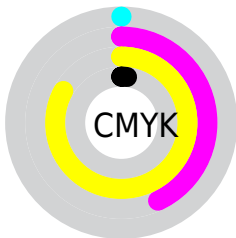
Blue (16%)



Red (98%)

Yellow (92%)

Blue (16%)

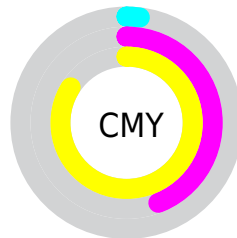


Cyan (0%)

Magenta (43%)

Yellow (83%)

Black (2%)



Cyan (2%)


Magenta (44%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6529, 0.5117, 0.4128 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 39.6529, 0.5117, 0.4128 by changing the saturation by 10% instead.

 39.6529, 0.5117,
0.4128

 39.6529, 0.5117,
0.4128

344.6584, 0.4163,
0.3838

 27.2680, 0.5315,
0.4146


 74.6347, 0.4795,
0.4062

 17.7746, 0.5541,
0.4139


 98.0004, 0.4666,
0.4025

 10.7883, 0.5838,
0.4115


 125.7951, 0.4554,
0.3989

 5.9247, 0.6062,
0.3938

 158.4033, 0.4455,
0.3954

 2.7993, 0.6354,
0.3646

 196.2093, 0.4369,
0.3922

 1.0279, 0.6826,
0.3174

 239.5976, 0.4292,


 0.0000, 1.0000,


0.3892


0.0000

288.9525, 0.4224,
0.3864


 0.0000, 0.0000,
0.0000


 39.6529, 0.5117,
0.4128


 39.6529, 0.5117,
0.4128


 35.9178, 0.5348,
0.4084


 43.9447, 0.4849,
0.4116


 33.6463, 0.5484,
0.4028

 48.8188, 0.4565,
0.4056

 54.3056, 0.4281,
0.3960

 60.4309, 0.4011,
0.3842

 67.2184, 0.3764,
0.3713

 74.6905, 0.3542,
0.3580

 82.8681, 0.3347,
0.3451

 91.7714, 0.3176,
0.3327

 98.8764, 0.3090,
0.3290

Harmonies

Analogous

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



39.6529, 0.5174, 0.3400



39.6529, 0.5117, 0.4128



39.6529, 0.4491, 0.4862

Triad

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



39.6529, 0.5117, 0.4128



39.6529, 0.1824, 0.3771



39.6529, 0.2381, 0.1837

Complementary

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



39.6529, 0.5117, 0.4128



28.8109, 0.1903, 0.1905

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.



39.6529, 0.1721, 0.1760



39.6529, 0.5117, 0.4128



39.6529, 0.1436, 0.2640

Square

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



39.6529, 0.5117, 0.4128



39.6529, 0.2601, 0.4951



39.6529, 0.1415, 0.1993



39.6529, 0.3395, 0.2178

Rectangle

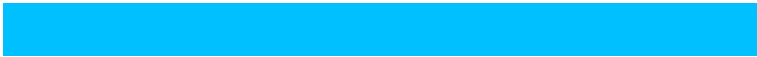
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.6529, 0.5117, 0.4128



39.6529, 0.3899, 0.5231



39.6529, 0.1415, 0.1993



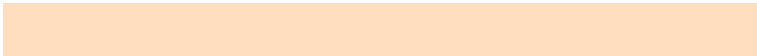
39.6529, 0.2119, 0.1780

Sweetspot

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



39.6550, 0.5117, 0.4128



77.3054, 0.3582, 0.3605



24.0714, 0.4479, 0.2365



15.9451, 0.3659, 0.3652



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.



39.6550, 0.5117, 0.4128



35.4825, 0.5486, 0.4026



83.8567, 0.4198, 0.4941



18.6096, 0.3282, 0.3405



18.2949, 0.5458, 0.4048



1.9056, 0.5268, 0.4199

Inverse Universe

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



28.8109, 0.1903, 0.1905



23.6608, 0.1778, 0.1602



9.5179, 0.1607, 0.0799



18.1267, 0.2980, 0.3172



12.3053, 0.1787, 0.1632



1.3520, 0.1845, 0.1842

Previews

White Background



This preview shows how the Yxy color 39.6529, 0.5117, 0.4128 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 39.6529, 0.5117, 0.4128 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 39.6529, 0.5117, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 39.6529, 0.5117, 0.4128.



This preview shows how white text looks on a background with the Yxy color 39.6529, 0.5117, 0.4128.

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

39.6529, 0.5117, 0.4128

Protanopia

39.9184, 0.4265, 0.4708

Deuteranopia

39.8957, 0.4650, 0.4552



Tritanopia

39.7989, 0.4354, 0.3200

Trichromacy



Original Color

39.6529, 0.5117, 0.4128

Protanomaly

39.1878, 0.4581, 0.4496

Deuteranomaly

39.5695, 0.4832, 0.4390

Tritanomaly

39.3444, 0.4712, 0.3596

Monochromacy



Original Color

39.6529, 0.5117, 0.4128

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.2439, 0.3884, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6529, 0.5117, 0.4128 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(249, 142, 42)` looks like.

```
.text, #text, p{  
    color:rgb(249, 142, 42)  
}
```

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(249, 142, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 142, 42) }
```

Border

The CSS property to change the border of an element to Yxy 39.6529, 0.5117, 0.4128 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(249, 142, 42) }
```

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

```
.border{ border-color:rgb(249, 142, 42) }
```

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

Here you see how a box with a 4 pixel rgb(249, 142, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 142, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 142, 42);  
box-shadow:4px 4px 4px 4px rgb(249, 142,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6529, 0.5117, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 142, 42) }
```

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

```
.background{ background-color: rgb(249,  
142, 42) }
```

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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