

Converting Colors

$Y_{xy}(41.1139, 0.4836, 0.4104)$

Have a look what the booklet for
Yxy(41.1139, 0.4836, 0.4104)
contains.

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Color

Yxy(41.0952, 0.4838, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	F29643
RGB	242, 150, 67
RGB Percent	95%, 59%, 26%
CMY	0.0511, 0.4117, 0.7373
CMYK	0.00, 0.38, 0.72, 0.05
HSL	28°, 87%, 61%
HSV	28°, 72%, 95%
XYZ	48.5278, 41.0952, 10.6825
YIQ	168.0460, 81.4750, -6.3090

Conversions

Conversions Part 2

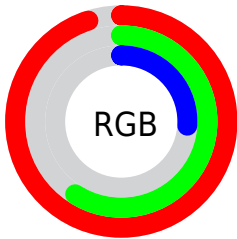
Format	Color
R_{YB}	242, 225, 67
Decimal	15898179
CIE Lab	70.24, 27.89, 56.45
CIE LCh	70, 62.965, 63.707
Yxy	41.0952, 0.4838, 0.4097
Android (android.graphics.Color)	4294088259 (0xFFFF29643)
YUV	168.0460, -49.8157, 64.8577
Hunter-Lab	64.1055, 22.9397, 34.9938

Details

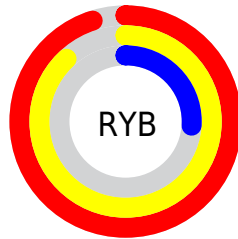
The Yxy color **41.0952, 0.4838, 0.4097** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.3717, 0.2025, 0.2134**, and the grayscale version is **39.4024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2546, 0.4166, 0.4157**, and **18.7672, 0.5240, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **37.0244, 0.5112, 0.4112**, and if you desaturate by 10%, it is **45.7317, 0.4549, 0.4035**.

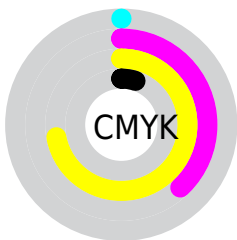
Distribution



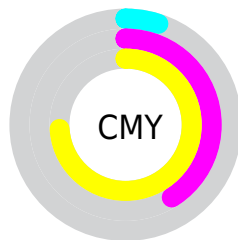
- Red (95%)
- Green (59%)
- Blue (26%)



- Red (95%)
- Yellow (88%)
- Blue (26%)



- Cyan (0%)
- Magenta (38%)
- Yellow (72%)
- Black (5%)



- Cyan (5%)
- Magenta (41%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0952, 0.4838, 0.4097 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 41.0952, 0.4838, 0.4097 by changing the saturation by 10% instead.


 41.0952, 0.4838,
0.4097

 41.0952, 0.4838,
0.4097


350.7183, 0.4001,
0.3778

 28.3935, 0.5023,
0.4139


 76.8284, 0.4548,
0.4007


 18.6225, 0.5242,
0.4170


 100.6286, 0.4434,
0.3965


 11.3978, 0.5497,
0.4172


 128.8972, 0.4336,
0.3927

 6.3351, 0.5847,
0.4153

 162.0185, 0.4251,
0.3891

 3.0499, 0.6087,
0.3913

 200.3768, 0.4177,
0.3859

 1.1578, 0.6480,
0.3520

244.3566, 0.4111,

 0.0269, 0.9634,

0.3830

0.0366

294.3424, 0.4053,
0.3803

■ 0.0000, 0.0000,
0.0000

■ 41.0952, 0.4838,
0.4097

■ 41.0952, 0.4838,
0.4097

■ 37.0244, 0.5112,
0.4112

■ 45.7317, 0.4549,
0.4035

■ 33.4828, 0.5351,
0.4072


■ 50.9544, 0.4263,
0.3939

■ 31.0934, 0.5508,
0.4009

■ 56.7898, 0.3992,
0.3822


■ 63.2606, 0.3746,
0.3694

■ 70.3882, 0.3525,
0.3564

 78.1926, 0.3332,
0.3437

 86.6931, 0.3163,
0.3317

 95.5445, 0.3048,
0.3258

 97.6107, 0.3047,
0.3290

Harmonies

Analogous

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



41.0952, 0.4869, 0.3449



41.0952, 0.4838, 0.4097



41.0952, 0.4319, 0.4697

Triad

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



41.0952, 0.4838, 0.4097



41.0952, 0.2001, 0.3668



41.0952, 0.2521, 0.2026

Complementary

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



41.0952, 0.4838, 0.4097



32.3717, 0.2025, 0.2134

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.



41.0952, 0.1919, 0.1954



41.0952, 0.4838, 0.4097



41.0952, 0.1649, 0.2737

Square

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



41.0952, 0.4838, 0.4097



41.0952, 0.2680, 0.4622



41.0952, 0.1631, 0.2168



41.0952, 0.3397, 0.2339

Rectangle

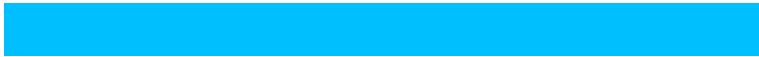
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.0952, 0.4838, 0.4097



41.0952, 0.3810, 0.4953



41.0952, 0.1631, 0.2168



41.0952, 0.2285, 0.1973

Sweetspot

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



41.0973, 0.4838, 0.4097



79.5129, 0.3520, 0.3561



25.4326, 0.4230, 0.2391



16.5346, 0.3577, 0.3596



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.



41.0973, 0.4838, 0.4097



39.6727, 0.5235, 0.4099



79.3419, 0.4124, 0.4836



16.9962, 0.3281, 0.3402



16.9789, 0.5481, 0.4030



1.6104, 0.5267, 0.4200

Inverse Universe

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



32.3717, 0.2025, 0.2134



29.2677, 0.1876, 0.1858



12.3432, 0.1750, 0.1043



16.6034, 0.2980, 0.3175



11.8953, 0.1796, 0.1664



1.1888, 0.1859, 0.1893

Previews

White Background



This preview shows how the Yxy color 41.0952, 0.4838, 0.4097 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 41.0952, 0.4838, 0.4097 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 41.0952, 0.4838, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 41.0952, 0.4838, 0.4097.



This preview shows how white text looks on a background with the Yxy color 41.0952, 0.4838, 0.4097.

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

41.0952, 0.4838, 0.4097

Protanopia

41.0625, 0.4125, 0.4524

Deuteranopia

41.3569, 0.4488, 0.4399



Tritanopia

41.0583, 0.4148, 0.3185

Trichromacy



Original Color

41.0952, 0.4838, 0.4097

Protanomaly

40.7075, 0.4391, 0.4360

Deuteranomaly

41.1740, 0.4622, 0.4289

Tritanomaly

40.7151, 0.4449, 0.3551

Monochromacy



Original Color

41.0952, 0.4838, 0.4097

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.7305, 0.3749, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0952, 0.4838, 0.4097 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(242, 150, 67)` looks like.

```
.text, #text, p{  
    color:rgb(242, 150, 67)  
}
```

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(242, 150, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 150, 67) }
```

Border

The CSS property to change the border of an element to Yxy 41.0952, 0.4838, 0.4097 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(242, 150, 67) }
```

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

```
.border{ border-color:rgb(242, 150, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 150, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 150, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 150, 67);  
box-shadow:4px 4px 4px 4px rgb(242, 150,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0952, 0.4838, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 150, 67) }
```

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

```
.background{ background-color: rgb(242,  
150, 67) }
```

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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