

Converting Colors

$Y_{xy}(42.0790, 0.4883, 0.4087)$

Have a look what the booklet for
Yxy(42.0790, 0.4883, 0.4087)
contains.

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Color

Yxy(41.9802, 0.4886, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	F79642
RGB	247, 150, 66
RGB Percent	97%, 59%, 26%
CMY	0.0314, 0.4117, 0.7411
CMYK	0.00, 0.39, 0.73, 0.03
HSL	28°, 92%, 61%
HSV	28°, 73%, 97%
XYZ	50.2487, 41.9802, 10.6133
YIQ	169.4270, 84.7760, -5.5600

Conversions

Conversions Part 2

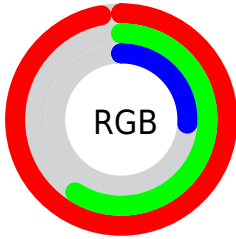
Format	Color
R_{YB}	247, 223, 66
Decimal	16225858
CIE _{Lab}	70.86, 29.91, 57.71
CIE _{LCh}	71, 65.001, 62.603
Yxy	41.9802, 0.4886, 0.4082
Android (android.graphics.Color)	4294415938 (0xFFFF79642)
YUV	169.4270, -50.9895, 68.0315
Hunter-Lab	64.7921, 25.0472, 35.6425

Details

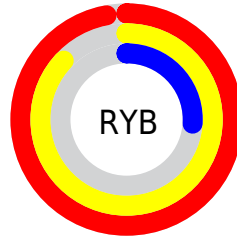
The Yxy color **41.9802, 0.4886, 0.4082** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **34.0791, 0.2020, 0.2142**, and the grayscale version is **40.1280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2306, 0.4172, 0.4165**, and **19.0650, 0.5299, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **37.7617, 0.5163, 0.4089**, and if you desaturate by 10%, it is **46.8061, 0.4592, 0.4027**.

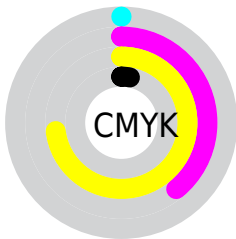
Distribution



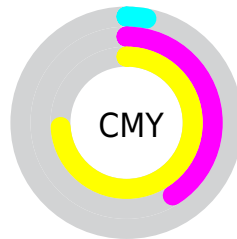
- Red (97%)
- Green (59%)
- Blue (26%)



- Red (97%)
- Yellow (87%)
- Blue (26%)



- Cyan (0%)
- Magenta (39%)
- Yellow (73%)
- Black (3%)





- Cyan (3%)
- Magenta (41%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9802, 0.4886, 0.4082 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 41.9802, 0.4886, 0.4082 by changing the saturation by 10% instead.


 41.9802, 0.4886,
0.4082


 41.9802, 0.4886,
0.4082

354.4009, 0.4030,
0.3778


 29.0858, 0.5074,
0.4119


 78.1697, 0.4591,
0.3999


 19.1457, 0.5295,
0.4143

 102.2335, 0.4474,
0.3959

 11.7756, 0.5552,
0.4135


 130.7893, 0.4374,
0.3922

 6.5911, 0.5899,
0.4101

 164.2213, 0.4287,
0.3888

 3.2077, 0.6146,
0.3854

 202.9142, 0.4210,
0.3857

 1.2411, 0.6545,
0.3455

247.2521, 0.4143,

 0.0949, 0.8963,

0.3828

0.1037

297.6195, 0.4083,
0.3802

0.0000, 0.0000,
0.0000

41.9802, 0.4886,
0.4082

41.9802, 0.4886,
0.4082

37.7617, 0.5163,
0.4089

46.8061, 0.4592,
0.4027

34.1108, 0.5403,
0.4041


52.2624, 0.4300,
0.3936


31.9479, 0.5541,
0.3983


58.3780, 0.4024,
0.3822

65.1779, 0.3772,
0.3698

72.6854, 0.3547,
0.3571

 80.9225, 0.3350,
0.3446

 89.9101, 0.3178,
0.3327

 98.5144, 0.3078,
0.3290

Harmonies

Analogous

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



41.9802, 0.4901, 0.3423



41.9802, 0.4886, 0.4082



41.9802, 0.4366, 0.4704

Triad

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



41.9802, 0.4886, 0.4082



41.9802, 0.1994, 0.3716



41.9802, 0.2478, 0.1994

Complementary

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



41.9802, 0.4886, 0.4082



34.0791, 0.2020, 0.2142

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.



41.9802, 0.1878, 0.1930



41.9802, 0.4886, 0.4082



41.9802, 0.1626, 0.2750

Square

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



41.9802, 0.4886, 0.4082



41.9802, 0.2696, 0.4688



41.9802, 0.1597, 0.2157



41.9802, 0.3366, 0.2303

Rectangle

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



41.9802, 0.4886, 0.4082



41.9802, 0.3850, 0.4983



41.9802, 0.1597, 0.2157



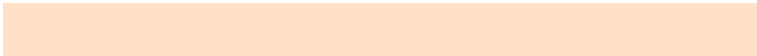
41.9802, 0.2242, 0.1943

Sweetspot

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



41.9824, 0.4886, 0.4082



79.1923, 0.3521, 0.3555



26.4117, 0.4208, 0.2357



16.4591, 0.3579, 0.3589



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.



41.9824, 0.4886, 0.4082



38.6084, 0.5286, 0.4073



81.2897, 0.4152, 0.4828



17.7499, 0.3282, 0.3400



17.1739, 0.5513, 0.4004



1.7129, 0.5306, 0.4169

Inverse Universe

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



34.0791, 0.2020, 0.2142



29.5979, 0.1876, 0.1873



12.9178, 0.1741, 0.1043



17.3979, 0.2980, 0.3177



12.6224, 0.1805, 0.1699



1.3150, 0.1865, 0.1913

Previews

White Background



This preview shows how the Yxy color 41.9802, 0.4886, 0.4082 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 41.9802, 0.4886, 0.4082 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 41.9802, 0.4886, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 41.9802, 0.4886, 0.4082.



This preview shows how white text looks on a background with the Yxy color 41.9802, 0.4886, 0.4082.

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

41.9802, 0.4886, 0.4082

Protanopia

42.0906, 0.4129, 0.4534

Deuteranopia

42.0098, 0.4503, 0.4406



Tritanopia

41.9796, 0.4195, 0.3187

Trichromacy



Original Color

41.9802, 0.4886, 0.4082

Protanomaly

41.4986, 0.4417, 0.4364

Deuteranomaly

41.9945, 0.4645, 0.4291

Tritanomaly

41.6266, 0.4495, 0.3545

Monochromacy



Original Color

41.9802, 0.4886, 0.4082

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.3769, 0.3756, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9802, 0.4886, 0.4082 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(247, 150, 66)` looks like.

```
.text, #text, p{  
    color:rgb(247, 150, 66)  
}
```

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(247, 150, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 150, 66) }
```

Border

The CSS property to change the border of an element to Yxy 41.9802, 0.4886, 0.4082 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(247, 150, 66) }
```

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

```
.border{ border-color:rgb(247, 150, 66) }
```

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

Here you see how a box with a 4 pixel rgb(247, 150, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 150, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 150, 66);  
box-shadow:4px 4px 4px 4px rgb(247, 150,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9802, 0.4886, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 150, 66) }
```

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

```
.background{ background-color: rgb(247,  
150, 66) }
```

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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