

Converting Colors

$Y_{xy}(39.8706, 0.4932, 0.3990)$

Have a look what the booklet for
Yxy(39.8706, 0.4932, 0.3990)
contains.

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Color

Yxy(39.8487, 0.4934, 0.3992)

Conversions

Conversions Part 1

Format	Color
Hex	F78F45
RGB	247, 143, 69
RGB Percent	97%, 56%, 27%
CMY	0.0314, 0.4392, 0.7295
CMYK	0.00, 0.42, 0.72, 0.03
HSL	25°, 92%, 62%
HSV	25°, 72%, 97%
XYZ	49.2519, 39.8487, 10.7208
YIQ	165.6600, 85.7380, -0.9660

Conversions

Conversions Part 2

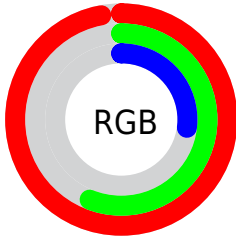
Format	Color
RYB	247, 196, 69
Decimal	16224069
CIELab	69.36, 33.67, 54.82
CIElCh	69, 64.334, 58.446
Yxy	39.8487, 0.4934, 0.3992
Android (android.graphics.Color)	4294414149 (0xFFFF78F45)
YUV	165.6600, -47.6534, 71.3352
Hunter-Lab	63.1258, 28.7986, 34.1187

Details

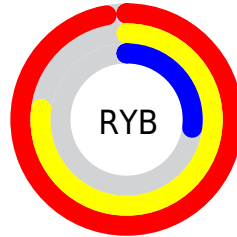
The Yxy color **39.8487, 0.4934, 0.3992** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.8474, 0.2065, 0.2287**, and the grayscale version is **38.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0286, 0.4193, 0.4073**, and **17.8309, 0.5380, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **35.5484, 0.5239, 0.3995**, and if you desaturate by 10%, it is **44.8378, 0.4616, 0.3942**.

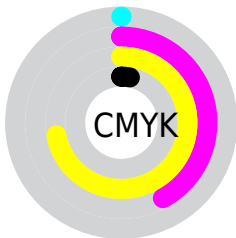
Distribution



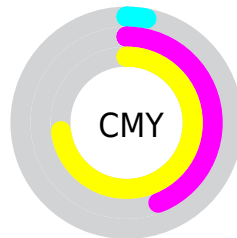
- Red (97%)
- Green (56%)
- Blue (27%)



- Red (97%)
- Yellow (77%)
- Blue (27%)



- Cyan (0%)
- Magenta (42%)
- Yellow (72%)
- Black (3%)





- Cyan (3%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8487, 0.4934, 0.3992 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 39.8487, 0.4934, 0.3992 by changing the saturation by 10% instead.


 39.8487, 0.4934,
0.3992


 39.8487, 0.4934,
0.3992


345.4855, 0.4041,
0.3730

 27.4206, 0.5135,
0.4019


 74.9331, 0.4622,
0.3924


 17.8894, 0.5375,
0.4031


 98.3581, 0.4500,
0.3890

 10.8706, 0.5658,
0.4006


 126.2176, 0.4396,
0.3858

 5.9799, 0.6049,
0.3951

 158.8959, 0.4305,
0.3828

 2.8328, 0.6336,
0.3664

 196.7775, 0.4226,
0.3800

 1.0451, 0.6802,
0.3198

240.2467, 0.4157,

 0.0000, 1.0000,

0.3775

0.0000

289.6878, 0.4096,
0.3752

■ 0.0000, 0.0000,
0.0000

■ 39.8487, 0.4934,
0.3992

■ 39.8487, 0.4934,
0.3992

■ 35.5484, 0.5239,
0.3995

■ 44.8378, 0.4616,
0.3942

■ 31.8924, 0.5505,
0.3944

■ 50.5435, 0.4305,
0.3860

■ 29.4192, 0.5681,
0.3871


■ 56.9990, 0.4016,
0.3756

■ 64.2335, 0.3756,
0.3643

■ 72.2741, 0.3528,
0.3529

 81.1467, 0.3330,
0.3417

 90.8757, 0.3159,
0.3311

 98.5128, 0.3078,
0.3290

Harmonies

Analogous

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



39.8487, 0.4865, 0.3333



39.8487, 0.4934, 0.3992



39.8487, 0.4467, 0.4633

Triad

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



39.8487, 0.4934, 0.3992



39.8487, 0.2066, 0.3869



39.8487, 0.2371, 0.1962

Complementary

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



39.8487, 0.4934, 0.3992



37.8474, 0.2065, 0.2287

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.



39.8487, 0.1813, 0.1935



39.8487, 0.4934, 0.3992



39.8487, 0.1647, 0.2860

Square

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



39.8487, 0.4934, 0.3992



39.8487, 0.2809, 0.4795



39.8487, 0.1574, 0.2209



39.8487, 0.3231, 0.2241

Rectangle

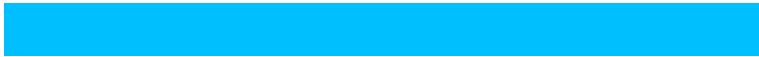
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.8487, 0.4934, 0.3992



39.8487, 0.3967, 0.4951



39.8487, 0.1574, 0.2209



39.8487, 0.2148, 0.1923

Sweetspot

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



39.8508, 0.4934, 0.3992



77.7452, 0.3527, 0.3528



27.1515, 0.4055, 0.2280



16.1191, 0.3586, 0.3559



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.



39.8508, 0.4934, 0.3992



36.5410, 0.5353, 0.3981



76.3462, 0.4202, 0.4752



17.6149, 0.3283, 0.3389



15.8249, 0.5652, 0.3894



1.5887, 0.5428, 0.4072

Inverse Universe

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



37.8474, 0.2065, 0.2287



34.0656, 0.1933, 0.2058



14.7588, 0.1781, 0.1162



17.5351, 0.2980, 0.3189



14.4308, 0.1852, 0.1866



1.4709, 0.1906, 0.2062

Previews

White Background



This preview shows how the Yxy color 39.8487, 0.4934, 0.3992 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 39.8487, 0.4934, 0.3992 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 39.8487, 0.4934, 0.3992

Background



This preview shows how black text looks on a background with the Yxy color 39.8487, 0.4934, 0.3992.



This preview shows how white text looks on a background with the Yxy color 39.8487, 0.4934, 0.3992.

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

39.8487, 0.4934, 0.3992

Protanopia

39.9766, 0.4085, 0.4479

Deuteranopia

39.8570, 0.4482, 0.4376



Tritanopia

39.8508, 0.4293, 0.3199

Trichromacy



Original Color

39.8487, 0.4934, 0.3992

Protanomaly

39.1913, 0.4396, 0.4296

Deuteranomaly

39.5121, 0.4658, 0.4222

Tritanomaly

39.7853, 0.4566, 0.3512

Monochromacy



Original Color

39.8487, 0.4934, 0.3992

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.6945, 0.3762, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8487, 0.4934, 0.3992 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, 143, 69)` looks like.

```
.text, #text, p{  
    color:rgb(247, 143, 69)  
}
```

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, 143, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 143, 69) }
```

Border

The CSS property to change the border of an element to Yxy 39.8487, 0.4934, 0.3992 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, 143, 69) }
```

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

```
.border{ border-color:rgb(247, 143, 69) }
```

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

Here you see how a box with a 4 pixel rgb(247, 143, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 143, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 143, 69);  
box-shadow:4px 4px 4px 4px rgb(247, 143,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8487, 0.4934, 0.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 143, 69) }
```

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

```
.background{ background-color: rgb(247,  
143, 69) }
```

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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