

Converting Colors

$Yxy(49.9012, 0.4784, 0.4267)$

Have a look what the booklet for
Yxy(49.9012, 0.4784, 0.4267)
contains.

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Color

Yxy(49.7837, 0.4788, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	FEA93D
RGB	254, 169, 61
RGB Percent	100%, 66%, 24%
CMY	0.0039, 0.3372, 0.7610
CMYK	0.00, 0.33, 0.76, 0.00
HSL	34°, 99%, 62%
HSV	34°, 76%, 100%
XYZ	55.9016, 49.7837, 11.0682
YIQ	182.1030, 85.3280, -15.5680

Conversions

Conversions Part 2

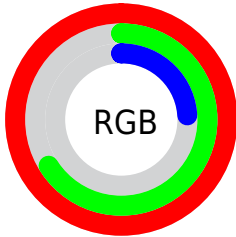
Format	Color
R _Y B	213, 254, 61
Decimal	16689469
CIE Lab	75.94, 22.64, 65.17
CIE LCh	76, 68.992, 70.840
Yxy	49.7837, 0.4788, 0.4264
Android (android.graphics.Color)	4294879549 (0xFFFEA93D)
YUV	182.1030, -59.7038, 63.0537
Hunter-Lab	70.5576, 17.9468, 40.0896

Details

The Yxy color **49.7837, 0.4788, 0.4264** 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 **28.6802, 0.1922, 0.1833**, and the grayscale version is **47.1332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8091, 0.4082, 0.4359**, and **23.9290, 0.5094, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **45.5902, 0.5008, 0.4277**, and if you desaturate by 10%, it is **54.4675, 0.4544, 0.4200**.

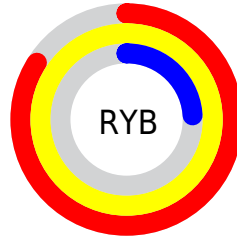
Distribution



Red (100%)

Green (66%)

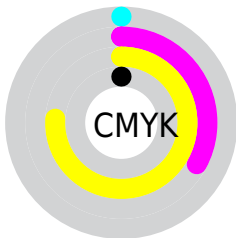
Blue (24%)



Red (84%)

Yellow (100%)

Blue (24%)

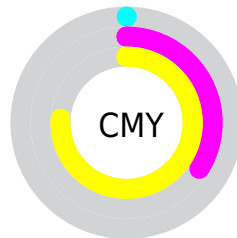


Cyan (0%)

Magenta (33%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (34%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7837, 0.4788, 0.4264 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 49.7837, 0.4788, 0.4264 by changing the saturation by 10% instead.


 49.7837, 0.4788,
0.4264


 49.7837, 0.4788,
0.4264


385.8195, 0.4018,
0.3881


 35.2416, 0.4946,
0.4319


 89.8543, 0.4531,
0.4155


 23.8490, 0.5126,
0.4366


 116.1516, 0.4427,
0.4104


 15.2217, 0.5327,
0.4390


 147.1360, 0.4337,
0.4058

 8.9751, 0.5593,
0.4407

 183.1920, 0.4257,
0.4016

 4.7249, 0.5752,
0.4248

 224.7040, 0.4186,
0.3978

 2.0868, 0.6001,
0.3999

272.0563, 0.4124,

 0.6572, 0.6506,

0.3942

325.6333, 0.4068,
0.3910

0.3494

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7837, 0.4788,
0.4264

49.7837, 0.4788,
0.4264

45.5902, 0.5008,
0.4277

54.4675, 0.4544,
0.4200

41.8505, 0.5192,
0.4235

59.6587, 0.4291,
0.4097

40.4715, 0.5258,
0.4207

65.3819, 0.4043,
0.3966

71.6573, 0.3808,
0.3820

■ 78.5037, 0.3591,
0.3669

■ 85.9388, 0.3396,
0.3518

■ 93.9791, 0.3222,
0.3373

99.8105, 0.3121,
0.3290

Harmonies

Analogous

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



49.7837, 0.4962, 0.3602



49.7837, 0.4788, 0.4264



49.7837, 0.4166, 0.4844

Triad

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



49.7837, 0.4788, 0.4264



49.7837, 0.1854, 0.3424



49.7837, 0.2697, 0.2053

Complementary

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



49.7837, 0.4788, 0.4264



28.6802, 0.1922, 0.1833

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.



49.7837, 0.2008, 0.1918



49.7837, 0.4788, 0.4264



49.7837, 0.1583, 0.2544

Square

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



49.7837, 0.4788, 0.4264



49.7837, 0.2475, 0.4464



49.7837, 0.1640, 0.2059



49.7837, 0.3637, 0.2424

Rectangle

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



49.7837, 0.4788, 0.4264



49.7837, 0.3616, 0.5037



49.7837, 0.1640, 0.2059



49.7837, 0.2432, 0.1980

Sweetspot

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



49.7862, 0.4788, 0.4264



81.4006, 0.3530, 0.3623



26.5334, 0.4561, 0.2528



16.8605, 0.3604, 0.3678



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.



49.7862, 0.4788, 0.4264



44.0546, 0.5105, 0.4263



90.5135, 0.4045, 0.4967



19.6740, 0.3280, 0.3423



21.6366, 0.5236, 0.4225



2.3245, 0.5084, 0.4345

Inverse Universe

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



28.6802, 0.1922, 0.1833



22.0945, 0.1771, 0.1520



11.8104, 0.1717, 0.0917



18.6936, 0.2979, 0.3153



10.1429, 0.1717, 0.1380



1.2009, 0.1778, 0.1599

Previews

White Background



This preview shows how the Yxy color 49.7837, 0.4788, 0.4264 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 49.7837, 0.4788, 0.4264 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 49.7837, 0.4788, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 49.7837, 0.4788, 0.4264.



This preview shows how white text looks on a background with the Yxy color 49.7837, 0.4788, 0.4264.

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

49.7837, 0.4788, 0.4264

Protanopia

50.0614, 0.4216, 0.4634

Deuteranopia

49.8084, 0.4561, 0.4460



Tritanopia

49.7283, 0.3924, 0.3177

Trichromacy



Original Color

49.7837, 0.4788, 0.4264

Protanomaly

49.5867, 0.4428, 0.4498

Deuteranomaly

49.8530, 0.4644, 0.4390

Tritanomaly

49.4769, 0.4301, 0.3626

Monochromacy



Original Color

49.7837, 0.4788, 0.4264

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6892, 0.3747, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7837, 0.4788, 0.4264 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(254, 169, 61)` looks like.

```
.text, #text, p{  
    color:rgb(254, 169, 61)  
}
```

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(254, 169, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 169, 61) }
```

Border

The CSS property to change the border of an element to Yxy 49.7837, 0.4788, 0.4264 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(254, 169, 61) }
```

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

```
.border{ border-color:rgb(254, 169, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 169, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 169, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 169, 61);  
box-shadow:4px 4px 4px 4px rgb(254, 169,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7837, 0.4788, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 169, 61) }
```

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

```
.background{ background-color: rgb(254,  
169, 61) }
```

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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