

Converting Colors

$Y_{xy}(49.6566, 0.4511, 0.4072)$

Have a look what the booklet for
Yxy(49.6566, 0.4511, 0.4072)
contains.

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Color

Yxy(49.7081, 0.4506, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	F7AB5E
RGB	247, 171, 94
RGB Percent	97%, 67%, 37%
CMY	0.0314, 0.3294, 0.6316
CMYK	0.00, 0.31, 0.62, 0.03
HSL	30°, 91%, 67%
HSV	30°, 62%, 97%
XYZ	54.9386, 49.7081, 17.2765
YIQ	184.9460, 70.0130, -7.8350

Conversions

Conversions Part 2

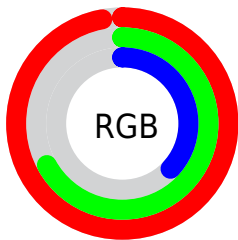
Format	Color
R _Y B	245, 247, 94
Decimal	16231262
CIE Lab	75.89, 20.42, 50.16
CIE LCh	76, 54.155, 67.842
Yxy	49.7081, 0.4506, 0.4077
Android (android.graphics.Color)	4294421342 (0xFFF7AB5E)
YUV	184.9460, -44.8364, 54.4214
Hunter-Lab	70.5040, 15.7101, 34.8242

Details

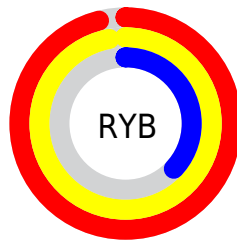
The Yxy color **49.7081, 0.4506, 0.4077** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.8183, 0.2142, 0.2265**, and the grayscale version is **48.7081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7280, 0.3882, 0.4098**, and **23.9329, 0.4837, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **44.9158, 0.4782, 0.4147**, and if you desaturate by 10%, it is **55.0771, 0.4232, 0.3973**.

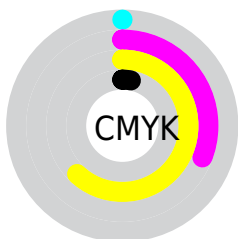
Distribution



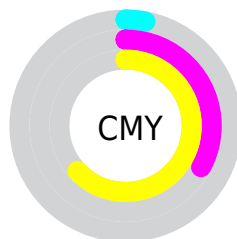
- Red (97%)
- Green (67%)
- Blue (37%)



- Red (96%)
- Yellow (97%)
- Blue (37%)



- Cyan (0%)
- Magenta (31%)
- Yellow (62%)
- Black (3%)





- Cyan (3%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7081, 0.4506, 0.4077 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 49.7081, 0.4506, 0.4077 by changing the saturation by 10% instead.


 49.7081, 0.4506,
0.4077


 49.7081, 0.4506,
0.4077


385.5233, 0.3842,
0.3742


 35.1815, 0.4655,
0.4137


 89.7422, 0.4275,
0.3972


 23.8027, 0.4835,
0.4200


 116.0186, 0.4185,
0.3927

 15.1874, 0.5051,
0.4259

 146.9803, 0.4108,
0.3888

 8.9510, 0.5309,
0.4298

 183.0118, 0.4041,
0.3852

 4.7092, 0.5673,
0.4327

224.4974, 0.3982,
0.3820

 2.0777, 0.5902,
0.4098

271.8217, 0.3930,

 0.6520, 0.6381,

0.3792

0.3619

325.3688, 0.3883,
0.3766

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7081, 0.4506,
0.4077

49.7081, 0.4506,
0.4077

44.9158, 0.4782,
0.4147

55.0771, 0.4232,
0.3973

40.6669, 0.5042,
0.4169


61.0386, 0.3971,
0.3849

36.9348, 0.5269,
0.4137


67.6170, 0.3731,
0.3713

34.2804, 0.5423,
0.4076

74.8324, 0.3515,
0.3576

 82.7041, 0.3325,
0.3442

 91.2504, 0.3157,
0.3314

 98.5136, 0.3078,
0.3290

Harmonies

Analogous

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



49.7081, 0.4568, 0.3533



49.7081, 0.4506, 0.4077



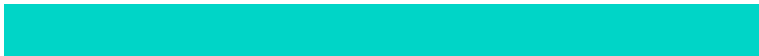
49.7081, 0.4059, 0.4518

Triad

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



49.7081, 0.4506, 0.4077



49.7081, 0.2146, 0.3493



49.7081, 0.2726, 0.2252

Complementary

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



49.7081, 0.4506, 0.4077



37.8183, 0.2142, 0.2265

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.



49.7081, 0.2176, 0.2166



49.7081, 0.4506, 0.4077



49.7081, 0.1873, 0.2776

Square

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



49.7081, 0.4506, 0.4077



49.7081, 0.2691, 0.4250



49.7081, 0.1888, 0.2328



49.7081, 0.3462, 0.2547

Rectangle

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



49.7081, 0.4506, 0.4077



49.7081, 0.3627, 0.4652



49.7081, 0.1888, 0.2328



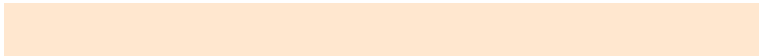
49.7081, 0.2516, 0.2198

Sweetspot

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



49.7106, 0.4506, 0.4077



82.8640, 0.3457, 0.3536



30.6905, 0.4073, 0.2517



17.2326, 0.3514, 0.3575



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.



49.7106, 0.4506, 0.4077



47.2556, 0.4840, 0.4156



87.1007, 0.3997, 0.4727



17.8615, 0.3281, 0.3409



18.4149, 0.5398, 0.4096



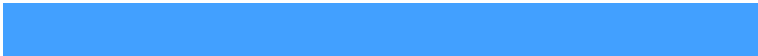
1.8241, 0.5206, 0.4248

Inverse Universe

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



37.8183, 0.2142, 0.2265



33.5264, 0.1984, 0.2023



17.0889, 0.1918, 0.1290



17.2859, 0.2980, 0.3168



11.2793, 0.1768, 0.1565



1.1967, 0.1831, 0.1793

Previews

White Background



This preview shows how the Yxy color 49.7081, 0.4506, 0.4077 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 49.7081, 0.4506, 0.4077 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 49.7081, 0.4506, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 49.7081, 0.4506, 0.4077.



This preview shows how white text looks on a background with the Yxy color 49.7081, 0.4506, 0.4077.

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

49.7081, 0.4506, 0.4077

Protanopia

50.1327, 0.3992, 0.4353

Deuteranopia

49.6024, 0.4327, 0.4224



Tritanopia

49.7793, 0.3883, 0.3165

Trichromacy



Original Color

49.7081, 0.4506, 0.4077

Protanomaly

49.8486, 0.4182, 0.4253

Deuteranomaly

49.4548, 0.4395, 0.4162

Tritanomaly

49.4638, 0.4136, 0.3506

Monochromacy



Original Color

49.7081, 0.4506, 0.4077

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3194, 0.3614, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7081, 0.4506, 0.4077 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, 171, 94)` looks like.

```
.text, #text, p{  
    color:rgb(247, 171, 94)  
}
```

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, 171, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 171, 94) }
```

Border

The CSS property to change the border of an element to Yxy 49.7081, 0.4506, 0.4077 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, 171, 94) }
```

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

```
.border{ border-color:rgb(247, 171, 94) }
```

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

Here you see how a box with a 4 pixel rgb(247, 171, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 171, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 171, 94);  
box-shadow:4px 4px 4px 4px rgb(247, 171,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7081, 0.4506, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 171, 94) }
```

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

```
.background{ background-color: rgb(247,  
171, 94) }
```

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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