

Converting Colors

$Y_{xy}(46.4691, 0.4475, 0.3704)$

Have a look what the booklet for
Yxy(46.4691, 0.4475, 0.3704)
contains.

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Color

Yxy(46.4691, 0.4475, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	FE9D75
RGB	254, 157, 117
RGB Percent	100%, 62%, 46%
CMY	0.0039, 0.3843, 0.5411
CMYK	0.00, 0.38, 0.54, 0.00
HSL	18°, 99%, 73%
HSV	18°, 54%, 100%
XYZ	56.1418, 46.4691, 22.8456
YIQ	181.4430, 70.6520, 8.1240

Conversions

Conversions Part 2

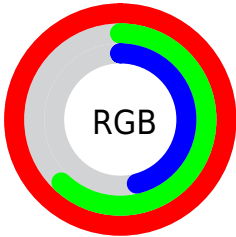
Format	Color
RYB	254, 173, 117
Decimal	16686453
CIELab	73.85, 32.24, 36.07
CIElCh	74, 48.377, 48.207
Yxy	46.4691, 0.4475, 0.3704
Android (android.graphics.Color)	4294876533 (0xFFFE9D75)
YUV	181.4430, -31.7704, 63.6325
Hunter-Lab	68.1682, 27.7141, 27.8476

Details

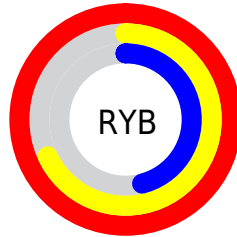
The Yxy color **46.4691, 0.4475, 0.3704** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.0391, 0.2337, 0.2800**, and the grayscale version is **46.6098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2492, 0.3766, 0.3725**, and **21.8580, 0.4830, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **40.3079, 0.4844, 0.3753**, and if you desaturate by 10%, it is **53.6929, 0.4138, 0.3635**.

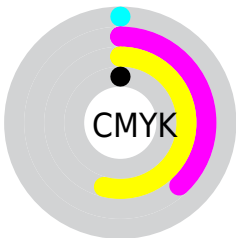
Distribution



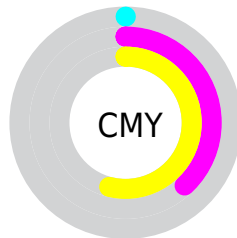
- Red (100%)
- Green (62%)
- Blue (46%)



- Red (100%)
- Yellow (68%)
- Blue (46%)



- Cyan (0%)
- Magenta (38%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4691, 0.4475, 0.3704 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 46.4691, 0.4475, 0.3704 by changing the saturation by 10% instead.


 46.4691, 0.4475,
0.3704


 46.4691, 0.4475,
0.3704


372.6914, 0.3801,
0.3539

 32.6162, 0.4638,
0.3730


 84.9206, 0.4233,
0.3655

 21.8326, 0.4841,
0.3754


 110.2880, 0.4141,
0.3634

 13.7339, 0.5101,
0.3769


 140.2623, 0.4063,
0.3614

 7.9358, 0.5438,
0.3761

175.2279, 0.3996,
0.3596

 4.0539, 0.5943,
0.3732

215.5692, 0.3938,
0.3580

 1.7038, 0.6502,
0.3498

261.6706, 0.3887,

 0.4261, 0.7447,

0.3565

0.2553

313.9166, 0.3842,
0.3552

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.4691, 0.4475,
0.3704

46.4691, 0.4475,
0.3704

40.3079, 0.4844,
0.3753

53.6929, 0.4138,
0.3635

35.1499, 0.5222,
0.3769

62.0208, 0.3841,
0.3556

30.9399, 0.5578,
0.3742

71.5005, 0.3586,
0.3474

27.6136, 0.5872,
0.3667

82.1748, 0.3371,
0.3394

■ 25.9878, 0.6014,
0.3607

■ 94.0841, 0.3190,
0.3318

99.8108, 0.3121,
0.3290

Harmonies

Analogous

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



46.4691, 0.4250, 0.3194



46.4691, 0.4475, 0.3704



46.4691, 0.4290, 0.4185

Triad

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



46.4691, 0.4475, 0.3704



46.4691, 0.2534, 0.3943



46.4691, 0.2401, 0.2252

Complementary

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



46.4691, 0.4475, 0.3704



59.0391, 0.2337, 0.2800

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.



46.4691, 0.2044, 0.2324



46.4691, 0.4475, 0.3704



46.4691, 0.2106, 0.3236

Square

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



46.4691, 0.4475, 0.3704



46.4691, 0.3151, 0.4445



46.4691, 0.1941, 0.2651



46.4691, 0.2983, 0.2403

Rectangle

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



46.4691, 0.4475, 0.3704



46.4691, 0.3985, 0.4425



46.4691, 0.1941, 0.2651



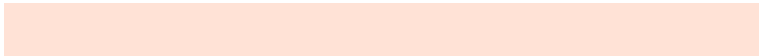
46.4691, 0.2255, 0.2250

Sweetspot

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



46.4715, 0.4475, 0.3704



80.5778, 0.3413, 0.3411



38.7139, 0.3565, 0.2318



16.7621, 0.3456, 0.3427



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.



46.4715, 0.4475, 0.3704



40.0577, 0.4885, 0.3756



75.8395, 0.4061, 0.4348



18.8509, 0.3287, 0.3360



13.9205, 0.5985, 0.3630



1.5343, 0.5765, 0.3805

Inverse Universe

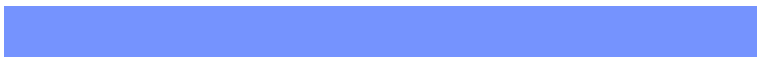
The Inverse Universe completely reimagines the original color for something new.



59.0391, 0.2337, 0.2800



53.7959, 0.2211, 0.2678



31.7128, 0.2154, 0.1918



19.5330, 0.2980, 0.3219



21.2185, 0.1974, 0.2308



2.2548, 0.2009, 0.2433

Previews

White Background



This preview shows how the Yxy color 46.4691, 0.4475, 0.3704 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 46.4691, 0.4475, 0.3704 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 46.4691, 0.4475, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 46.4691, 0.4475, 0.3704.



This preview shows how white text looks on a background with the Yxy color 46.4691, 0.4475, 0.3704.

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

46.4691, 0.4475, 0.3704

Protanopia

46.7240, 0.3707, 0.3998

Deuteranopia

46.7027, 0.4083, 0.3998



Tritanopia

46.3608, 0.4049, 0.3177

Trichromacy



Original Color

46.4691, 0.4475, 0.3704

Protanomaly

46.0689, 0.3983, 0.3893

Deuteranomaly

46.3989, 0.4223, 0.3889

Tritanomaly

46.4465, 0.4216, 0.3377

Monochromacy



Original Color

46.4691, 0.4475, 0.3704

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3836, 0.3584, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4691, 0.4475, 0.3704 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, 157, 117)` looks like.

```
.text, #text, p{  
    color:rgb(254, 157, 117)  
}
```

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, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 157, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.4691, 0.4475, 0.3704 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, 157, 117) }
```

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

```
.border{ border-color:rgb(254, 157, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(254, 157,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4691, 0.4475, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 157, 117) }
```

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

```
.background{ background-color: rgb(254,  
157, 117) }
```

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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