

Converting Colors

$Y_{xy}(38.7502, 0.4505, 0.3601)$

Have a look what the booklet for
Yxy(38.7502, 0.4505, 0.3601)
contains.

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Color

Yxy(38.7449, 0.4506, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	F08D70
RGB	240, 141, 112
RGB Percent	94%, 55%, 44%
CMY	0.0588, 0.4471, 0.5608
CMYK	0.00, 0.41, 0.53, 0.06
HSL	14°, 81%, 69%
HSV	14°, 53%, 94%
XYZ	48.3882, 38.7449, 20.2530
YIQ	167.2950, 68.3130, 11.9690

Conversions

Conversions Part 2

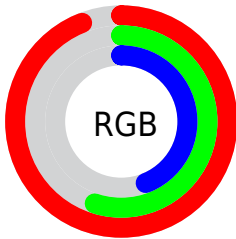
Format	Color
R _{YB}	240, 149, 112
Decimal	15764848
CIE Lab	68.57, 34.73, 31.64
CIE LCh	69, 46.982, 42.328
Yxy	38.7449, 0.4506, 0.3608
Android (android.graphics.Color)	4293954928 (0xFFFF08D70)
YUV	167.2950, -27.2604, 63.7623
Hunter-Lab	62.2454, 29.8324, 24.2804

Details

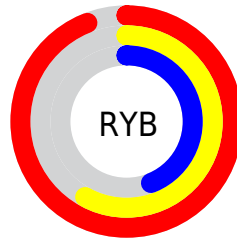
The Yxy color **38.7449, 0.4506, 0.3608** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.3265, 0.2369, 0.2919**, and the grayscale version is **38.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4202, 0.3870, 0.3626**, and **17.2182, 0.4911, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **33.2587, 0.4899, 0.3644**, and if you desaturate by 10%, it is **45.2950, 0.4150, 0.3555**.

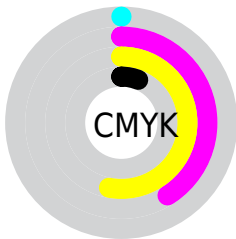
Distribution



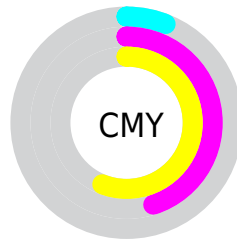
- Red (94%)
- Green (55%)
- Blue (44%)



- Red (94%)
- Yellow (58%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (6%)





- Cyan (6%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7449, 0.4506, 0.3608 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 38.7449, 0.4506, 0.3608 by changing the saturation by 10% instead.


 38.7449, 0.4506,
0.3608


 38.7449, 0.4506,
0.3608


340.8047, 0.3794,
0.3486


 26.5613, 0.4686,
0.3624


 73.2485, 0.4245,
0.3574


 17.2440, 0.4915,
0.3634


 96.3372, 0.4147,
0.3558

 10.4086, 0.5215,
0.3630


 123.8299, 0.4065,
0.3543

 5.6707, 0.5616,
0.3589

 156.1107, 0.3994,
0.3530

 2.6459, 0.6383,
0.3582

193.5643, 0.3934,
0.3517

 0.9498, 0.6900,
0.3100

236.5748, 0.3881,

 0.0000, 1.0000,

0.3506

0.0000

285.5269, 0.3835,
0.3496

0.0000, 0.0000,
0.0000

38.7449, 0.4506,
0.3608

38.7449, 0.4506,
0.3608

33.2587, 0.4899,
0.3644

45.2950, 0.4150,
0.3555

28.7731, 0.5307,
0.3653

52.9559, 0.3841,
0.3493

25.2271, 0.5688,
0.3624

61.7787, 0.3580,
0.3430

22.5498, 0.5997,
0.3556

71.8097, 0.3362,
0.3367

21.2027, 0.6151,
0.3498

83.0926, 0.3181,
0.3309

95.6045, 0.3036,
0.3264

97.2681, 0.3035,
0.3290

Harmonies

Analogous

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



38.7449, 0.4193, 0.3090



38.7449, 0.4506, 0.3608



38.7449, 0.4391, 0.4117

Triad

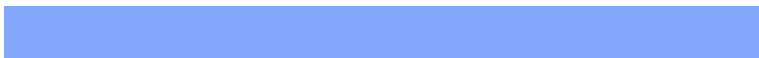
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.7449, 0.4506, 0.3608



38.7449, 0.2628, 0.4097



38.7449, 0.2288, 0.2219

Complementary

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



38.7449, 0.4506, 0.3608



56.3265, 0.2369, 0.2919

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.



38.7449, 0.1973, 0.2340



38.7449, 0.4506, 0.3608



38.7449, 0.2141, 0.3374

Square

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



38.7449, 0.4506, 0.3608



38.7449, 0.3282, 0.4535



38.7449, 0.1920, 0.2728



38.7449, 0.2846, 0.2333

Rectangle

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



38.7449, 0.4506, 0.3608



38.7449, 0.4113, 0.4396



38.7449, 0.1920, 0.2728



38.7449, 0.2155, 0.2232

Sweetspot

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



38.7469, 0.4506, 0.3608



79.1390, 0.3417, 0.3384



34.8808, 0.3463, 0.2252



16.4224, 0.3461, 0.3397



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.



38.7469, 0.4506, 0.3608



37.6723, 0.4935, 0.3646



62.7603, 0.4097, 0.4257



16.3398, 0.3288, 0.3344



11.7690, 0.6125, 0.3519



1.1242, 0.5875, 0.3717

Inverse Universe

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



56.3265, 0.2369, 0.2919



59.6373, 0.2255, 0.2829



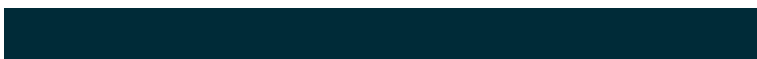
30.9980, 0.2192, 0.2056



17.2860, 0.2981, 0.3235



22.7886, 0.2040, 0.2542



2.0426, 0.2070, 0.2652

Previews

White Background



This preview shows how the Yxy color 38.7449, 0.4506, 0.3608 looks on a white background.

Color Contrast Check

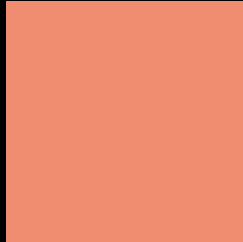
Large Text (above 18pt) WCAG AA × Fail

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 38.7449, 0.4506, 0.3608 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 38.7449, 0.4506, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 38.7449, 0.4506, 0.3608.



This preview shows how white text looks on a background with the Yxy color 38.7449, 0.4506, 0.3608.

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

38.7449, 0.4506, 0.3608

Protanopia

38.7708, 0.3647, 0.3904

Deuteranopia

38.7809, 0.4044, 0.3957



Tritanopia

38.7383, 0.4188, 0.3184

Trichromacy



Original Color

38.7449, 0.4506, 0.3608

Protanomaly

38.3422, 0.3952, 0.3796

Deuteranomaly

38.4855, 0.4221, 0.3825

Tritanomaly

38.7754, 0.4304, 0.3337

Monochromacy



Original Color

38.7449, 0.4506, 0.3608

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0296, 0.3593, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7449, 0.4506, 0.3608 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(240, 141, 112)` looks like.

```
.text, #text, p{  
    color:rgb(240, 141, 112)  
}
```

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(240, 141, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 141, 112) }
```

Border

The CSS property to change the border of an element to Yxy 38.7449, 0.4506, 0.3608 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(240, 141, 112) }
```

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

```
.border{ border-color:rgb(240, 141, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 141, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 141, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 141, 112);  
box-shadow:4px 4px 4px 4px rgb(240, 141,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7449, 0.4506, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 141, 112) }
```

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

```
.background{ background-color: rgb(240,  
141, 112) }
```

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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