

Converting Colors

Yxy(58.9840, 0.4907, 0.3574)

Have a look what the booklet for
Yxy(58.9840, 0.4907, 0.3574)
contains.

Yxy(46.4174, 0.4453, 0.3653)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4174, 0.4453, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C79
RGB	255, 156, 121
RGB Percent	100%, 61%, 47%
CMY	0.0000, 0.3882, 0.5255
CMYK	0.00, 0.39, 0.53, 0.00
HSL	16°, 100%, 74%
HSV	16°, 53%, 100%
XYZ	56.5827, 46.4174, 24.0664
YIQ	181.6110, 70.2390, 10.1030

Conversions

Conversions Part 2

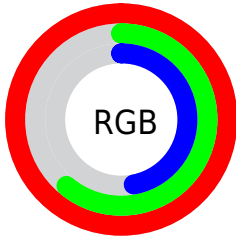
Format	Color
R_{YB}	255, 168, 121
Decimal	16751737
CIE _{Lab}	73.82, 33.48, 33.93
CIE _{LCh}	74, 47.667, 45.383
Yxy	46.4174, 0.4453, 0.3653
Android (android.graphics.Color)	4294941817 (0xFFFF9C79)
YUV	181.6110, -29.8812, 64.3622
Hunter-Lab	68.1303, 29.0175, 26.7476

Details

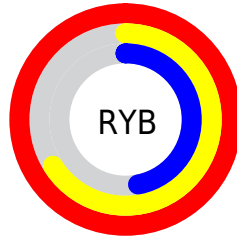
The Yxy color **46.4174, 0.4453, 0.3653** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.4719, 0.2364, 0.2866**, and the grayscale version is **46.6929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9045, 0.3739, 0.3674**, and **21.8378, 0.4804, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **40.0325, 0.4831, 0.3698**, and if you desaturate by 10%, it is **53.9488, 0.4110, 0.3590**.

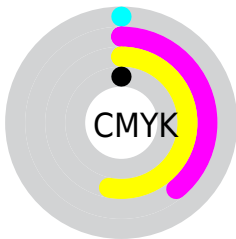
Distribution



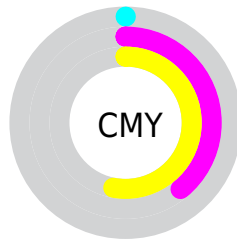
- Red (100%)
- Green (61%)
- Blue (47%)



- Red (100%)
- Yellow (66%)
- Blue (47%)



- Cyan (0%)
- Magenta (39%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4174, 0.4453, 0.3653 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 46.4174, 0.4453, 0.3653 by changing the saturation by 10% instead.


 46.4174, 0.4453,
0.3653


 46.4174, 0.4453,
0.3653


372.4842, 0.3789,
0.3511


 32.5753, 0.4614,
0.3674


 84.8433, 0.4214,
0.3612

 21.8013, 0.4817,
0.3693


 110.1960, 0.4123,
0.3593

 13.7110, 0.5078,
0.3704


 140.1543, 0.4046,
0.3576

 7.9199, 0.5419,
0.3691

175.1026, 0.3980,
0.3561

 4.0438, 0.5909,
0.3642

215.4254, 0.3923,
0.3546

 1.6981, 0.6556,
0.3444

261.5069, 0.3872,

 0.4224, 0.7516,

0.3534

0.2484

313.7318, 0.3828,
0.3522

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.4174, 0.4453,
0.3653

46.4174, 0.4453,
0.3653

40.0325, 0.4831,
0.3698

53.9488, 0.4110,
0.3590

34.7349, 0.5225,
0.3714

62.6799, 0.3812,
0.3519

30.4609, 0.5598,
0.3690

72.6614, 0.3558,
0.3445

27.1389, 0.5908,
0.3622

83.9409, 0.3345,
0.3374

■ 25.2274, 0.6084,
0.3551

■ 96.5634, 0.3168,
0.3306

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.4174, 0.4193, 0.3151



46.4174, 0.4453, 0.3653



46.4174, 0.4307, 0.4134

Triad

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



46.4174, 0.4453, 0.3653



46.4174, 0.2594, 0.3994



46.4174, 0.2367, 0.2262

Complementary

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



46.4174, 0.4453, 0.3653



62.4719, 0.2364, 0.2866

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.



46.4174, 0.2037, 0.2356



46.4174, 0.4453, 0.3653



46.4174, 0.2148, 0.3302

Square

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



46.4174, 0.4453, 0.3653



46.4174, 0.3214, 0.4452



46.4174, 0.1960, 0.2705



46.4174, 0.2924, 0.2391

Rectangle

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



46.4174, 0.4453, 0.3653



46.4174, 0.4024, 0.4384



46.4174, 0.1960, 0.2705



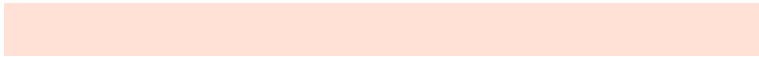
46.4174, 0.2230, 0.2267

Sweetspot

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



46.4177, 0.4453, 0.3653



79.8982, 0.3415, 0.3398



40.1823, 0.3504, 0.2301



16.6016, 0.3458, 0.3413



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.



46.4177, 0.4453, 0.3653



39.7703, 0.4849, 0.3700



74.6181, 0.4061, 0.4287



18.7583, 0.3288, 0.3353



13.3860, 0.6056, 0.3573



1.4718, 0.5838, 0.3747

Inverse Universe

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



62.4719, 0.2364, 0.2866



57.2267, 0.2247, 0.2765



34.5620, 0.2192, 0.2016



19.6312, 0.2980, 0.3226



22.9101, 0.2005, 0.2418



2.4083, 0.2036, 0.2529

Previews

White Background



This preview shows how the Yxy color 46.4174, 0.4453, 0.3653 looks on a white background.

Color Contrast Check

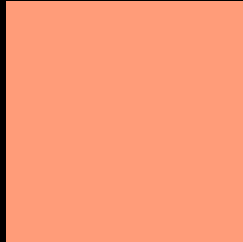
Large Text (above 18pt) WCAG AA × Fail

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 46.4174, 0.4453, 0.3653 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 46.4174, 0.4453, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 46.4174, 0.4453, 0.3653.



This preview shows how white text looks on a background with the Yxy color 46.4174, 0.4453, 0.3653.

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

46.4174, 0.4453, 0.3653

Protanopia

46.8576, 0.3666, 0.3935

Deuteranopia

46.6402, 0.4039, 0.3956



Tritanopia

46.3608, 0.4049, 0.3177

Trichromacy



Original Color

46.4174, 0.4453, 0.3653



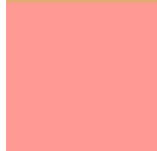
Protanomaly

46.1974, 0.3938, 0.3834



Deuteranomaly

46.1251, 0.4194, 0.3836



Tritanomaly

46.1806, 0.4200, 0.3346

Monochromacy



Original Color

46.4174, 0.4453, 0.3653



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

45.9805, 0.3573, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4174, 0.4453, 0.3653 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(255, 156, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 121)  
}
```

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(255, 156, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.4174, 0.4453, 0.3653 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(255, 156, 121) }
```

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

```
.border{ border-color:rgb(255, 156, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4174, 0.4453, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 121) }
```

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

```
.background{ background-color: rgb(255,  
156, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor