

Converting Colors

$Yxy(46.9308, 0.4357, 0.3567)$

Have a look what the booklet for
Yxy(46.9308, 0.4357, 0.3567)
contains.

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Color

Yxy(46.9856, 0.4360, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	FF9D82
RGB	255, 157, 130
RGB Percent	100%, 62%, 51%
CMY	0.0001, 0.3842, 0.4903
CMYK	0.00, 0.38, 0.49, 0.00
HSL	13°, 100%, 75%
HSV	13°, 49%, 100%
XYZ	57.3188, 46.9856, 27.1607
YIQ	183.2240, 67.0750, 12.3790

Conversions

Conversions Part 2

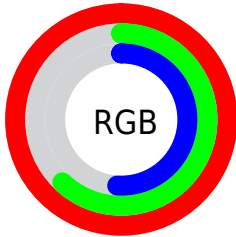
Format	Color
RYB	255, 164, 130
Decimal	16752002
CIELab	74.18, 33.72, 29.58
CIELCh	74, 44.860, 41.261
Yxy	46.9856, 0.4360, 0.3574
Android (android.graphics.Color)	4294942082 (0xFFFF9D82)
YUV	183.2240, -26.2394, 62.9476
Hunter-Lab	68.5460, 29.3076, 24.4892

Details

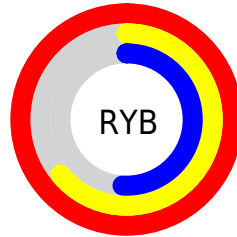
The Yxy color **46.9856, 0.4360, 0.3574** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **67.4152, 0.2421, 0.2969**, and the grayscale version is **47.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7659, 0.3669, 0.3590**, and **22.0819, 0.4714, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **40.1674, 0.4745, 0.3616**, and if you desaturate by 10%, it is **55.0839, 0.4019, 0.3519**.

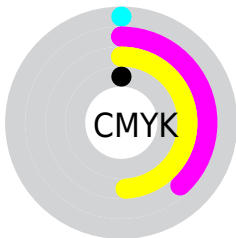
Distribution



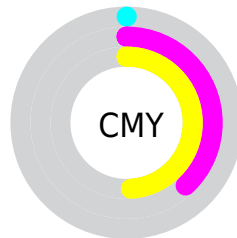
- Red (100%)
- Green (62%)
- Blue (51%)



- Red (100%)
- Yellow (64%)
- Blue (51%)



- Cyan (0%)
- Magenta (38%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9856, 0.4360, 0.3574 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 46.9856, 0.4360, 0.3574 by changing the saturation by 10% instead.


 46.9856, 0.4360,
0.3574

 46.9856, 0.4360,
0.3574


374.7570, 0.3741,
0.3465

 33.0243, 0.4512,
0.3590


 85.6921, 0.4136,
0.3542

 22.1450, 0.4704,
0.3604


 111.2061, 0.4052,
0.3528

 13.9635, 0.4952,
0.3611


 141.3398, 0.3980,
0.3515

 8.0953, 0.5284,
0.3599

176.4775, 0.3919,
0.3503

 4.1560, 0.5738,
0.3541

217.0037, 0.3865,
0.3492

 1.7612, 0.6549,
0.3451

263.3028, 0.3819,

 0.4628, 0.7429,

0.3482

0.2571

315.7591, 0.3778,
0.3473

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9856, 0.4360,
0.3574

46.9856, 0.4360,
0.3574

40.1674, 0.4745,
0.3616

55.0839, 0.4019,
0.3519

34.5559, 0.5156,
0.3636

64.5166, 0.3727,
0.3459

30.0805, 0.5559,
0.3622

75.3437, 0.3483,
0.3398

26.6602, 0.5905,
0.3570

87.6191, 0.3280,
0.3339

■ 24.1983, 0.6154,
0.3487

99.9954, 0.3127,
0.3290

■ 24.0028, 0.6175,
0.3479

Harmonies

Analogous

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



46.9856, 0.4064, 0.3100



46.9856, 0.4360, 0.3574



46.9856, 0.4278, 0.4035

Triad

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



46.9856, 0.4360, 0.3574



46.9856, 0.2703, 0.4024



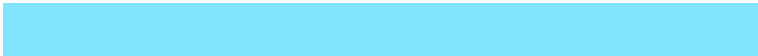
46.9856, 0.2355, 0.2317

Complementary

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



46.9856, 0.4360, 0.3574



67.4152, 0.2421, 0.2969

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.



46.9856, 0.2072, 0.2441



46.9856, 0.4360, 0.3574



46.9856, 0.2250, 0.3394

Square

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



46.9856, 0.4360, 0.3574



46.9856, 0.3298, 0.4400



46.9856, 0.2034, 0.2809



46.9856, 0.2856, 0.2412

Rectangle

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



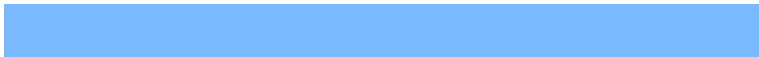
46.9856, 0.4360, 0.3574



46.9856, 0.4039, 0.4282



46.9856, 0.2034, 0.2809



46.9856, 0.2234, 0.2333

Sweetspot

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



46.9880, 0.4360, 0.3574



80.1203, 0.3397, 0.3374



42.9280, 0.3410, 0.2305



16.6086, 0.3441, 0.3386



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.



46.9880, 0.4360, 0.3574



40.1892, 0.4744, 0.3616



72.7392, 0.4025, 0.4171



18.6239, 0.3289, 0.3342



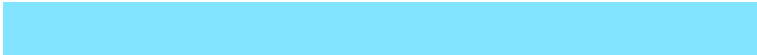
12.7205, 0.6149, 0.3499



1.3901, 0.5940, 0.3666

Inverse Universe

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



67.4152, 0.2421, 0.2969



62.6803, 0.2309, 0.2891



39.7769, 0.2273, 0.2197



19.7753, 0.2980, 0.3237



25.5465, 0.2049, 0.2576



2.6451, 0.2074, 0.2667

Previews

White Background



This preview shows how the Yxy color 46.9856, 0.4360, 0.3574 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 46.9856, 0.4360, 0.3574 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 46.9856, 0.4360, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 46.9856, 0.4360, 0.3574.



This preview shows how white text looks on a background with the Yxy color 46.9856, 0.4360, 0.3574.

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

46.9856, 0.4360, 0.3574

Protanopia

47.3922, 0.3578, 0.3833

Deuteranopia

47.0977, 0.3947, 0.3867



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

46.9856, 0.4360, 0.3574

Protanomaly

46.8300, 0.3853, 0.3739

Deuteranomaly

46.5527, 0.4097, 0.3750

Tritanomaly

46.9697, 0.4150, 0.3325

Monochromacy



Original Color

46.9856, 0.4360, 0.3574

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5077, 0.3534, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9856, 0.4360, 0.3574 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, 157, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 130)  
}
```

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, 157, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.9856, 0.4360, 0.3574 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, 157, 130) }
```

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

```
.border{ border-color:rgb(255, 157, 130) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9856, 0.4360, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 130) }
```

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

```
.background{ background-color: rgb(255,  
157, 130) }
```

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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