

Converting Colors

$Y_{xy}(46.2043, 0.4400, 0.3580)$

Have a look what the booklet for
Yxy(46.2043, 0.4400, 0.3580)
contains.

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Color

Yxy(46.2350, 0.4401, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B7F
RGB	255, 155, 127
RGB Percent	100%, 61%, 50%
CMY	0.0000, 0.3921, 0.5019
CMYK	0.00, 0.39, 0.50, 0.00
HSL	13°, 100%, 75%
HSV	13°, 50%, 100%
XYZ	56.7905, 46.2350, 26.0144
YIQ	181.7080, 68.5880, 12.4920

Conversions

Conversions Part 2

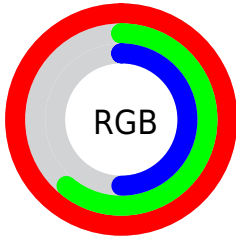
Format	Color
R_{YB}	255, 163, 127
Decimal	16751487
CIE Lab	73.70, 34.50, 30.55
CIE LCh	74, 46.082, 41.523
Yxy	46.2350, 0.4401, 0.3583
Android (android.graphics.Color)	4294941567 (0xFFFF9B7F)
YUV	181.7080, -26.9710, 64.2771
Hunter-Lab	67.9963, 30.0895, 24.9139

Details

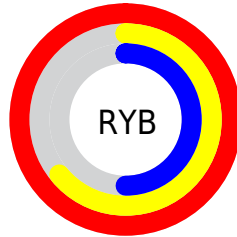
The Yxy color **46.2350, 0.4401, 0.3583** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **66.6681, 0.2406, 0.2956**, and the grayscale version is **46.7357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6485, 0.3697, 0.3601**, and **21.6407, 0.4772, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **39.5611, 0.4789, 0.3624**, and if you desaturate by 10%, it is **54.1756, 0.4055, 0.3528**.

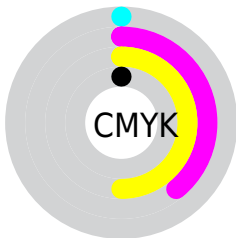
Distribution



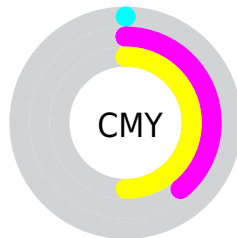
- Red (100%)
- Green (61%)
- Blue (50%)



- Red (100%)
- Yellow (64%)
- Blue (50%)



- Cyan (0%)
- Magenta (39%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2350, 0.4401, 0.3583 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 46.2350, 0.4401, 0.3583 by changing the saturation by 10% instead.


 46.2350, 0.4401,
0.3583


 46.2350, 0.4401,
0.3583


371.7526, 0.3760,
0.3471

 32.4313, 0.4558,
0.3599


 84.5706, 0.4169,
0.3551

 21.6911, 0.4757,
0.3612

 109.8713, 0.4082,
0.3537

 13.6301, 0.5014,
0.3617


 139.7731, 0.4008,
0.3523

 7.8639, 0.5356,
0.3600

174.6604, 0.3944,
0.3511

 4.0080, 0.5829,
0.3535

214.9176, 0.3889,
0.3500

 1.6780, 0.6604,
0.3396

260.9291, 0.3841,

 0.4094, 0.7597,

0.3489

0.2403

313.0793, 0.3798,
0.3480

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.2350, 0.4401,
0.3583

46.2350, 0.4401,
0.3583

39.5611, 0.4789,
0.3624

54.1756, 0.4055,
0.3528

34.0804, 0.5201,
0.3640

63.4375, 0.3758,
0.3468

29.7223, 0.5599,
0.3622

74.0803, 0.3509,
0.3406

26.4052, 0.5935,
0.3566

86.1581, 0.3302,
0.3347

■ 24.0655, 0.6170,
0.3483

99.7219, 0.3130,
0.3291

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



46.2350, 0.4099, 0.3096



46.2350, 0.4401, 0.3583



46.2350, 0.4311, 0.4058

Triad

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



46.2350, 0.4401, 0.3583



46.2350, 0.2683, 0.4046



46.2350, 0.2335, 0.2289

Complementary

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



46.2350, 0.4401, 0.3583



66.6681, 0.2406, 0.2956

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.



46.2350, 0.2043, 0.2413



46.2350, 0.4401, 0.3583



46.2350, 0.2220, 0.3390

Square

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



46.2350, 0.4401, 0.3583



46.2350, 0.3295, 0.4438



46.2350, 0.2001, 0.2787



46.2350, 0.2852, 0.2389

Rectangle

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



46.2350, 0.4401, 0.3583



46.2350, 0.4061, 0.4313



46.2350, 0.2001, 0.2787



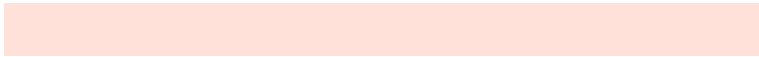
46.2350, 0.2211, 0.2304

Sweetspot

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



46.2373, 0.4401, 0.3583



80.1707, 0.3397, 0.3375



42.0015, 0.3439, 0.2303



16.6206, 0.3441, 0.3387



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.



46.2373, 0.4401, 0.3583



39.6787, 0.4782, 0.3623



73.3139, 0.4038, 0.4209



18.6312, 0.3289, 0.3343



12.7532, 0.6145, 0.3503



1.3942, 0.5934, 0.3670

Inverse Universe

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



66.6681, 0.2406, 0.2956



62.0380, 0.2298, 0.2878



38.0248, 0.2247, 0.2139



19.7674, 0.2980, 0.3237



25.3982, 0.2047, 0.2568



2.6318, 0.2072, 0.2660

Previews

White Background



This preview shows how the Yxy color 46.2350, 0.4401, 0.3583 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 46.2350, 0.4401, 0.3583 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 46.2350, 0.4401, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 46.2350, 0.4401, 0.3583.



This preview shows how white text looks on a background with the Yxy color 46.2350, 0.4401, 0.3583.

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

46.2350, 0.4401, 0.3583

Protanopia

46.3521, 0.3601, 0.3849

Deuteranopia

46.4539, 0.3977, 0.3904



Tritanopia

46.3251, 0.4059, 0.3188

Trichromacy



Original Color

46.2350, 0.4401, 0.3583



Protanomaly

45.8252, 0.3880, 0.3753



Deuteranomaly

46.0816, 0.4139, 0.3783



Tritanomaly

46.2124, 0.4190, 0.3335

Monochromacy



Original Color

46.2350, 0.4401, 0.3583



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

45.6690, 0.3557, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2350, 0.4401, 0.3583 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, 155, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 127)  
}
```

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, 155, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 127) }
```

Border

The CSS property to change the border of an element to Yxy 46.2350, 0.4401, 0.3583 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, 155, 127) }
```

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

```
.border{ border-color:rgb(255, 155, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2350, 0.4401, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 127) }
```

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

```
.background{ background-color: rgb(255,  
155, 127) }
```

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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