

Converting Colors

$Y_{xy}(46.2870, 0.4443, 0.3634)$

Have a look what the booklet for
Yxy(46.2870, 0.4443, 0.3634)
contains.

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Color

Yxy(46.1078, 0.4450, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B7A
RGB	255, 155, 122
RGB Percent	100%, 61%, 48%
CMY	0.0000, 0.3922, 0.5216
CMYK	0.00, 0.39, 0.52, 0.00
HSL	15°, 100%, 74%
HSV	15°, 52%, 100%
XYZ	56.4767, 46.1078, 24.3294
YIQ	181.1380, 70.1930, 10.9370

Conversions

Conversions Part 2

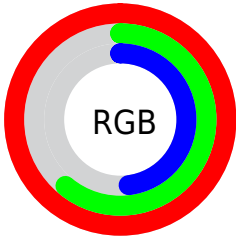
Format	Color
R_{YB}	255, 166, 122
Decimal	16751482
CIE _{Lab}	73.62, 34.08, 33.15
CIE _{LCh}	74, 47.540, 44.205
Yxy	46.1078, 0.4450, 0.3633
Android (android.graphics.Color)	4294941562 (0xFFFF9B7A)
YUV	181.1380, -29.1550, 64.7770
Hunter-Lab	67.9027, 29.6338, 26.2884

Details

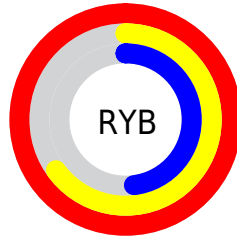
The Yxy color **46.1078, 0.4450, 0.3633** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.5891, 0.2373, 0.2892**, and the grayscale version is **46.4178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4483, 0.3735, 0.3653**, and **21.6509, 0.4801, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **39.6742, 0.4833, 0.3676**, and if you desaturate by 10%, it is **53.7202, 0.4105, 0.3573**.

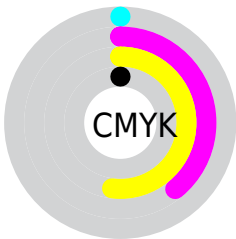
Distribution



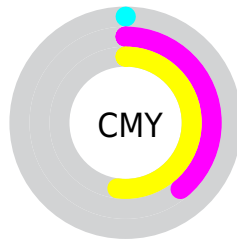
- Red (100%)
- Green (61%)
- Blue (48%)



- Red (100%)
- Yellow (65%)
- Blue (48%)



- Cyan (0%)
- Magenta (39%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1078, 0.4450, 0.3633 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 46.1078, 0.4450, 0.3633 by changing the saturation by 10% instead.

 46.1078, 0.4450,
0.3633

 46.1078, 0.4450,
0.3633


371.2419, 0.3786,
0.3500


 32.3309, 0.4612,
0.3652


 84.3803, 0.4211,
0.3595

 21.6144, 0.4816,
0.3669


 109.6447, 0.4120,
0.3577

 13.5738, 0.5078,
0.3677

 139.5070, 0.4043,
0.3561

 7.8249, 0.5423,
0.3661

174.3517, 0.3977,
0.3547

 3.9831, 0.5915,
0.3605

214.5632, 0.3920,
0.3534

 1.6641, 0.6591,
0.3409

260.5257, 0.3869,

 0.4003, 0.7603,

0.3521

0.2397

312.6238, 0.3825,
0.3510

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.1078, 0.4450,
0.3633

46.1078, 0.4450,
0.3633

39.6742, 0.4833,
0.3676

53.7202, 0.4105,
0.3573

34.3584, 0.5232,
0.3691

62.5677, 0.3805,
0.3505

30.0936, 0.5612,
0.3668

72.7029, 0.3551,
0.3435

26.8049, 0.5927,
0.3601

84.1754, 0.3338,
0.3367

■ 24.8481, 0.6112,
0.3529

■ 97.0319, 0.3161,
0.3303

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.



46.1078, 0.4174, 0.3132



46.1078, 0.4450, 0.3633



46.1078, 0.4320, 0.4117

Triad

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



46.1078, 0.4450, 0.3633



46.1078, 0.2617, 0.4018



46.1078, 0.2350, 0.2261

Complementary

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



46.1078, 0.4450, 0.3633



63.5891, 0.2373, 0.2892

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.



46.1078, 0.2029, 0.2365



46.1078, 0.4450, 0.3633



46.1078, 0.2161, 0.3329

Square

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



46.1078, 0.4450, 0.3633



46.1078, 0.3239, 0.4461



46.1078, 0.1962, 0.2724



46.1078, 0.2899, 0.2383

Rectangle

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



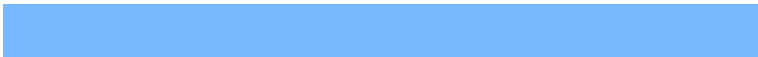
46.1078, 0.4450, 0.3633



46.1078, 0.4043, 0.4371



46.1078, 0.1962, 0.2724



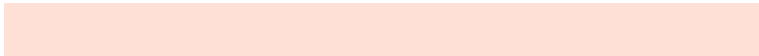
46.1078, 0.2216, 0.2269

Sweetspot

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



46.1079, 0.4450, 0.3633



79.6129, 0.3416, 0.3393



40.5547, 0.3477, 0.2288



16.5342, 0.3459, 0.3407



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.



46.1079, 0.4450, 0.3633



39.1877, 0.4866, 0.3679



73.6041, 0.4065, 0.4261



18.7194, 0.3288, 0.3350



13.1799, 0.6084, 0.3551



1.4470, 0.5868, 0.3723

Inverse Universe

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



63.5891, 0.2373, 0.2892



58.2814, 0.2254, 0.2793



35.6242, 0.2205, 0.2056



19.6727, 0.2980, 0.3230



23.6515, 0.2018, 0.2464



2.4751, 0.2047, 0.2569

Previews

White Background



This preview shows how the Yxy color 46.1078, 0.4450, 0.3633 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 46.1078, 0.4450, 0.3633 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 46.1078, 0.4450, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 46.1078, 0.4450, 0.3633.



This preview shows how white text looks on a background with the Yxy color 46.1078, 0.4450, 0.3633.

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

46.1078, 0.4450, 0.3633

Protanopia

46.3433, 0.3652, 0.3912

Deuteranopia

46.1006, 0.4035, 0.3948



Tritanopia

46.0019, 0.4063, 0.3177

Trichromacy



Original Color

46.1078, 0.4450, 0.3633

Protanomaly

45.8417, 0.3935, 0.3811

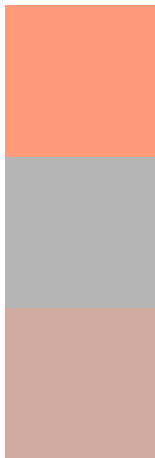
Deuteranomaly

45.5933, 0.4190, 0.3827

Tritanomaly

45.8231, 0.4215, 0.3346

Monochromacy



Original Color

46.1078, 0.4450, 0.3633

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.4530, 0.3566, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1078, 0.4450, 0.3633 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 122) }
```

Border

The CSS property to change the border of an element to Yxy 46.1078, 0.4450, 0.3633 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, 122) }
```

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

```
.border{ border-color:rgb(255, 155, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1078, 0.4450, 0.3633 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
155, 122) }
```

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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