

Converting Colors

$Y_{xy}(45.7994, 0.4404, 0.3564)$

Have a look what the booklet for
Yxy(45.7994, 0.4404, 0.3564)
contains.

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Color

Yxy(45.9297, 0.4397, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A80
RGB	255, 154, 128
RGB Percent	100%, 60%, 50%
CMY	0.0002, 0.3960, 0.4981
CMYK	0.00, 0.40, 0.50, 0.00
HSL	12°, 100%, 75%
HSV	12°, 50%, 100%
XYZ	56.6806, 45.9297, 26.2971
YIQ	181.2350, 68.5420, 13.3260

Conversions

Conversions Part 2

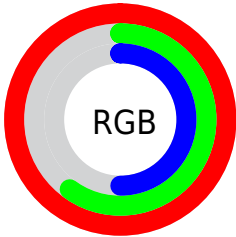
Format	Color
R _Y B	255, 161, 128
Decimal	16751232
CIE Lab	73.50, 35.08, 29.76
CIE LCh	73, 46.004, 40.307
Yxy	45.9297, 0.4397, 0.3563
Android (android.graphics.Color)	4294941312 (0xFFFF9A80)
YUV	181.2350, -26.2449, 64.6919
Hunter-Lab	67.7715, 30.6882, 24.4339

Details

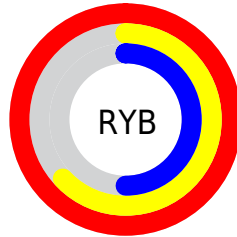
The Yxy color **45.9297, 0.4397, 0.3563** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **67.8017, 0.2415, 0.2980**, and the grayscale version is **46.4613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1971, 0.3692, 0.3581**, and **21.4595, 0.4768, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **39.2064, 0.4789, 0.3601**, and if you desaturate by 10%, it is **53.9559, 0.4049, 0.3512**.

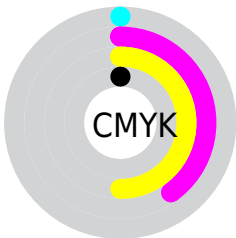
Distribution



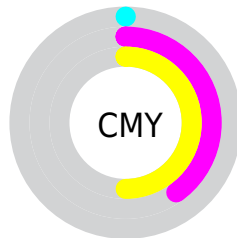
- Red (100%)
- Green (60%)
- Blue (50%)



- Red (100%)
- Yellow (63%)
- Blue (50%)



- Cyan (0%)
- Magenta (40%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9297, 0.4397, 0.3563 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 45.9297, 0.4397, 0.3563 by changing the saturation by 10% instead.

 45.9297, 0.4397,
0.3563

 45.9297, 0.4397,
0.3563

370.5259, 0.3757,
0.3461


 32.1903, 0.4554,
0.3577


 84.1138, 0.4165,
0.3534

 21.5069, 0.4754,
0.3588


 109.3273, 0.4078,
0.3521

 13.4951, 0.5012,
0.3590


 139.1343, 0.4004,
0.3509

 7.7703, 0.5357,
0.3570

173.9193, 0.3941,
0.3497

 3.9483, 0.5834,
0.3499

214.0665, 0.3885,
0.3487

 1.6447, 0.6638,
0.3362

259.9604, 0.3837,

 0.3875, 0.7684,

0.3477

0.2316

311.9854, 0.3795,
0.3469

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.9297, 0.4397,
0.3563

45.9297, 0.4397,
0.3563

39.2064, 0.4789,
0.3601

53.9559, 0.4049,
0.3512

33.7094, 0.5206,
0.3617

63.3422, 0.3751,
0.3454

29.3647, 0.5610,
0.3600

74.1509, 0.3502,
0.3397

26.0870, 0.5951,
0.3545

86.4384, 0.3295,
0.3341

■ 23.7719, 0.6191,
0.3464

99.9924, 0.3127,
0.3290

■ 23.7340, 0.6196,
0.3463

Harmonies

Analogous

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



45.9297, 0.4080, 0.3077



45.9297, 0.4397, 0.3563



45.9297, 0.4322, 0.4040

Triad

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



45.9297, 0.4397, 0.3563



45.9297, 0.2706, 0.4069



45.9297, 0.2318, 0.2289

Complementary

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



45.9297, 0.4397, 0.3563



67.8017, 0.2415, 0.2980

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.



45.9297, 0.2036, 0.2423



45.9297, 0.4397, 0.3563



45.9297, 0.2234, 0.3417

Square

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



45.9297, 0.4397, 0.3563



45.9297, 0.3321, 0.4446



45.9297, 0.2005, 0.2807



45.9297, 0.2828, 0.2380

Rectangle

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



45.9297, 0.4397, 0.3563



45.9297, 0.4080, 0.4301



45.9297, 0.2005, 0.2807



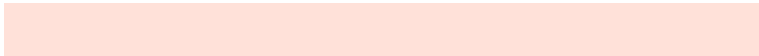
45.9297, 0.2197, 0.2307

Sweetspot

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



45.9320, 0.4397, 0.3563



79.8880, 0.3397, 0.3370



42.3777, 0.3416, 0.2291



16.5533, 0.3442, 0.3381



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.



45.9320, 0.4397, 0.3563



39.0976, 0.4798, 0.3602



72.3693, 0.4041, 0.4184



18.5903, 0.3289, 0.3339



12.5744, 0.6171, 0.3482



1.3714, 0.5964, 0.3646

Inverse Universe

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



67.8017, 0.2415, 0.2980



63.1540, 0.2304, 0.2905



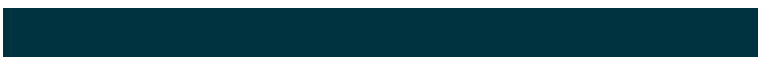
39.1087, 0.2259, 0.2176



19.8115, 0.2980, 0.3240



26.2387, 0.2060, 0.2616



2.7068, 0.2084, 0.2701

Previews

White Background



This preview shows how the Yxy color 45.9297, 0.4397, 0.3563 looks on a white background.

Color Contrast Check

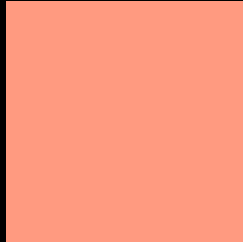
Large Text (above 18pt) WCAG AA × Fail

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 45.9297, 0.4397, 0.3563 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 45.9297, 0.4397, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 45.9297, 0.4397, 0.3563.



This preview shows how white text looks on a background with the Yxy color 45.9297, 0.4397, 0.3563.

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

45.9297, 0.4397, 0.3563

Protanopia

46.2787, 0.3575, 0.3825

Deuteranopia

45.9413, 0.3964, 0.3883



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

45.9297, 0.4397, 0.3563

Protanomaly

45.5023, 0.3866, 0.3717

Deuteranomaly

45.5761, 0.4126, 0.3763

Tritanomaly

45.8864, 0.4195, 0.3325

Monochromacy



Original Color

45.9297, 0.4397, 0.3563

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.1444, 0.3550, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9297, 0.4397, 0.3563 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, 154, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 128)  
}
```

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, 154, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 128) }
```

Border

The CSS property to change the border of an element to Yxy 45.9297, 0.4397, 0.3563 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, 154, 128) }
```

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

```
.border{ border-color:rgb(255, 154, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9297, 0.4397, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 128) }
```

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

```
.background{ background-color: rgb(255,  
154, 128) }
```

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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