

Converting Colors

$Y_{xy}(45.8264, 0.4437, 0.3603)$

Have a look what the booklet for
Yxy(45.8264, 0.4437, 0.3603)
contains.

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Color

Yxy(45.8264, 0.4437, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A7C
RGB	255, 154, 124
RGB Percent	100%, 60%, 49%
CMY	0.0000, 0.3961, 0.5138
CMYK	0.00, 0.40, 0.51, 0.00
HSL	14°, 100%, 74%
HSV	14°, 51%, 100%
XYZ	56.4340, 45.8264, 24.9292
YIQ	180.7790, 69.8260, 12.0820

Conversions

Conversions Part 2

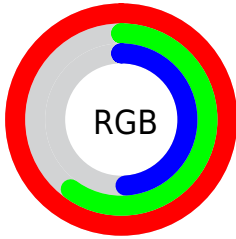
Format	Color
RYB	255, 163, 124
Decimal	16751228
CIELab	73.43, 34.76, 31.84
CIElCh	73, 47.140, 42.491
Yxy	45.8264, 0.4437, 0.3603
Android (android.graphics.Color)	4294941308 (0xFFFF9A7C)
YUV	180.7790, -27.9920, 65.0918
Hunter-Lab	67.6952, 30.3397, 25.5527

Details

The Yxy color **45.8264, 0.4437, 0.3603** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.3338, 0.2389, 0.2930**, and the grayscale version is **46.2076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0353, 0.3723, 0.3623**, and **21.4175, 0.4807, 0.3622** is the 20% darker color. If you saturate the color by 10%, you get **39.2980, 0.4825, 0.3644**, and if you desaturate by 10%, it is **53.5859, 0.4089, 0.3547**.

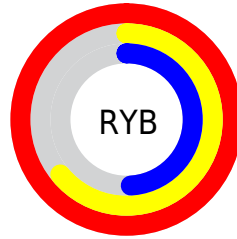
Distribution



Red (100%)

Green (60%)

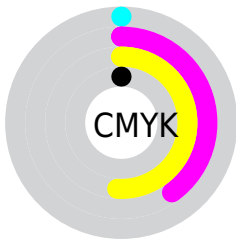
Blue (49%)



Red (100%)

Yellow (64%)

Blue (49%)

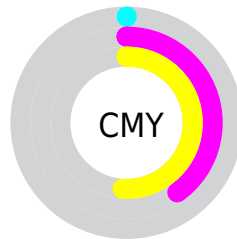


Cyan (0%)

Magenta (40%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8264, 0.4437, 0.3603 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 45.8264, 0.4437, 0.3603 by changing the saturation by 10% instead.


 45.8264, 0.4437,
0.3603


 45.8264, 0.4437,
0.3603


370.1103, 0.3778,
0.3484


 32.1089, 0.4598,
0.3620


 83.9591, 0.4199,
0.3569

 21.4447, 0.4802,
0.3633


 109.1431, 0.4109,
0.3554

 13.4494, 0.5065,
0.3638


 138.9180, 0.4033,
0.3539

 7.7387, 0.5413,
0.3619

173.6682, 0.3967,
0.3526

 3.9282, 0.5904,
0.3554

213.7782, 0.3910,
0.3514

 1.6335, 0.6628,
0.3372

259.6322, 0.3861,

 0.3800, 0.7691,

0.3503

0.2309

311.6148, 0.3817,
0.3493

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.8264, 0.4437,
0.3603

45.8264, 0.4437,
0.3603

39.2980, 0.4825,
0.3644

53.5859, 0.4089,
0.3547

33.9329, 0.5233,
0.3658

62.6332, 0.3789,
0.3484

29.6609, 0.5622,
0.3636

73.0252, 0.3535,
0.3419

26.4026, 0.5947,
0.3574

84.8145, 0.3324,
0.3357

■ 24.3320, 0.6150,
0.3498

■ 98.0507, 0.3149,
0.3298

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.



45.8264, 0.4140, 0.3106



45.8264, 0.4437, 0.3603



45.8264, 0.4330, 0.4088

Triad

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



45.8264, 0.4437, 0.3603



45.8264, 0.2652, 0.4048



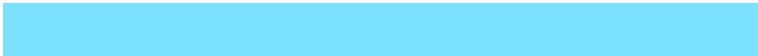
45.8264, 0.2330, 0.2267

Complementary

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



45.8264, 0.4437, 0.3603



65.3338, 0.2389, 0.2930

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.



45.8264, 0.2025, 0.2384



45.8264, 0.4437, 0.3603



45.8264, 0.2187, 0.3369

Square

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



45.8264, 0.4437, 0.3603



45.8264, 0.3276, 0.4465



45.8264, 0.1973, 0.2756



45.8264, 0.2865, 0.2375

Rectangle

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



45.8264, 0.4437, 0.3603



45.8264, 0.4067, 0.4347



45.8264, 0.1973, 0.2756



45.8264, 0.2201, 0.2279

Sweetspot

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



45.8274, 0.4437, 0.3603



80.3877, 0.3396, 0.3379



41.1922, 0.3449, 0.2282



16.6723, 0.3440, 0.3392



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.



45.8274, 0.4437, 0.3603



38.9349, 0.4850, 0.3645



72.7923, 0.4062, 0.4229



18.6625, 0.3289, 0.3345



12.8983, 0.6124, 0.3519



1.4125, 0.5911, 0.3689

Inverse Universe

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



65.3338, 0.2389, 0.2930



60.2932, 0.2273, 0.2841



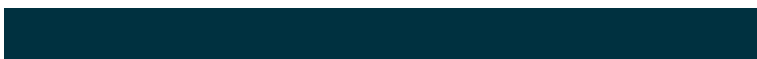
37.0257, 0.2225, 0.2106



19.7337, 0.2980, 0.3234



24.7678, 0.2036, 0.2531



2.5754, 0.2063, 0.2628

Previews

White Background



This preview shows how the Yxy color 45.8264, 0.4437, 0.3603 looks on a white background.

Color Contrast Check

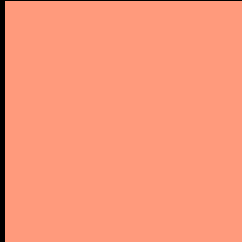
Large Text (above 18pt) WCAG AA × Fail

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 45.8264, 0.4437, 0.3603 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 45.8264, 0.4437, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 45.8264, 0.4437, 0.3603.



This preview shows how white text looks on a background with the Yxy color 45.8264, 0.4437, 0.3603.

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

45.8264, 0.4437, 0.3603

Protanopia

46.2664, 0.3626, 0.3888

Deuteranopia

45.9949, 0.4009, 0.3927



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

45.8264, 0.4437, 0.3603

Protanomaly

45.3634, 0.3912, 0.3777

Deuteranomaly

45.6418, 0.4172, 0.3805

Tritanomaly

45.8546, 0.4205, 0.3335

Monochromacy



Original Color

45.8264, 0.4437, 0.3603

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.0738, 0.3569, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8264, 0.4437, 0.3603 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 124) }
```

Border

The CSS property to change the border of an element to Yxy 45.8264, 0.4437, 0.3603 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, 124) }
```

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

```
.border{ border-color:rgb(255, 154, 124) }
```

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, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8264, 0.4437, 0.3603 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, 124) }
```

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

```
.background{ background-color: rgb(255,  
154, 124) }
```

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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