

Converting Colors

$Y_{xy}(76.2029, 0.5219, 0.3514)$

Have a look what the booklet for
Yxy(76.2029, 0.5219, 0.3514)
contains.

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Color

Yxy(47.1438, 0.4421, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E7B
RGB	255, 158, 123
RGB Percent	100%, 62%, 48%
CMY	0.0000, 0.3803, 0.5176
CMYK	0.00, 0.38, 0.52, 0.00
HSL	16°, 100%, 74%
HSV	16°, 52%, 100%
XYZ	57.0396, 47.1438, 24.8363
YIQ	183.0130, 69.0470, 9.6790

Conversions

Conversions Part 2

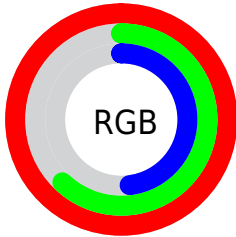
Format	Color
R _Y B	255, 171, 123
Decimal	16752251
CIE Lab	74.28, 32.60, 33.46
CIE LCh	74, 46.713, 45.744
Yxy	47.1438, 0.4421, 0.3654
Android (android.graphics.Color)	4294942331 (0xFFFF9E7B)
YUV	183.0130, -29.5864, 63.1326
Hunter-Lab	68.6613, 28.1294, 26.6165

Details

The Yxy color **47.1438, 0.4421, 0.3654** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.6123, 0.2372, 0.2867**, and the grayscale version is **47.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9831, 0.3718, 0.3673**, and **22.1997, 0.4780, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **40.6757, 0.4795, 0.3702**, and if you desaturate by 10%, it is **54.7575, 0.4083, 0.3589**.

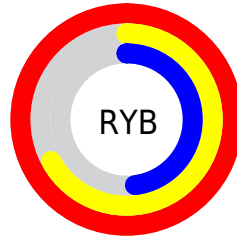
Distribution



Red (100%)

Green (62%)

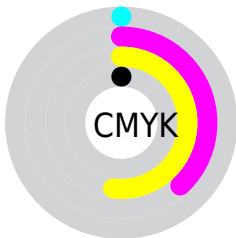
Blue (48%)



Red (100%)

Yellow (67%)

Blue (48%)

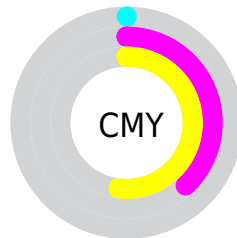


Cyan (0%)

Magenta (38%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1438, 0.4421, 0.3654 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 47.1438, 0.4421, 0.3654 by changing the saturation by 10% instead.


 47.1438, 0.4421,
0.3654

 47.1438, 0.4421,
0.3654


375.3882, 0.3774,
0.3510

 33.1493, 0.4578,
0.3677


 85.9282, 0.4188,
0.3611

 22.2409, 0.4775,
0.3697


 111.4870, 0.4100,
0.3593

 14.0340, 0.5029,
0.3711


 141.6693, 0.4025,
0.3575

 8.1443, 0.5361,
0.3705

176.8596, 0.3961,
0.3560

 4.1874, 0.5827,
0.3659

217.4423, 0.3905,
0.3546

 1.7790, 0.6498,
0.3502

263.8016, 0.3856,

 0.4740, 0.7350,

0.3533

0.2650

316.3222, 0.3812,
0.3521

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.1438, 0.4421,
0.3654

47.1438, 0.4421,
0.3654

40.6757, 0.4795,
0.3702

54.7575, 0.4083,
0.3589

35.2888, 0.5187,
0.3721

63.5626, 0.3789,
0.3516

30.9231, 0.5562,
0.3701

73.6110, 0.3540,
0.3442

27.5085, 0.5878,
0.3636

84.9495, 0.3330,
0.3369

■ 25.3463, 0.6075,
0.3558

■ 97.6220, 0.3155,
0.3301

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



47.1438, 0.4171, 0.3161



47.1438, 0.4421, 0.3654



47.1438, 0.4276, 0.4123

Triad

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



47.1438, 0.4421, 0.3654



47.1438, 0.2602, 0.3967



47.1438, 0.2390, 0.2284

Complementary

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



47.1438, 0.4421, 0.3654



62.6123, 0.2372, 0.2867

Split Complementary

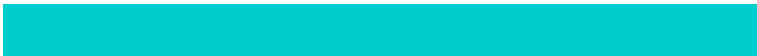
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.1438, 0.2063, 0.2375



47.1438, 0.4421, 0.3654



47.1438, 0.2167, 0.3295

Square

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



47.1438, 0.4421, 0.3654



47.1438, 0.3206, 0.4417



47.1438, 0.1985, 0.2715



47.1438, 0.2938, 0.2413

Rectangle

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



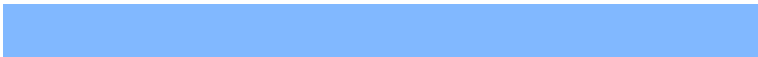
47.1438, 0.4421, 0.3654



47.1438, 0.3999, 0.4362



47.1438, 0.1985, 0.2715



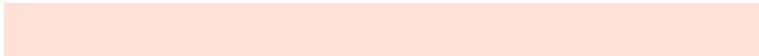
47.1438, 0.2255, 0.2289

Sweetspot

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



47.1462, 0.4421, 0.3654



79.9864, 0.3414, 0.3400



40.7008, 0.3496, 0.2314



16.6224, 0.3458, 0.3415



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.



47.1462, 0.4421, 0.3654



40.5363, 0.4805, 0.3703



74.9280, 0.4046, 0.4274



18.7704, 0.3288, 0.3354



13.4519, 0.6047, 0.3580



1.4796, 0.5828, 0.3754

Inverse Universe

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



62.6123, 0.2372, 0.2867



57.3812, 0.2256, 0.2767



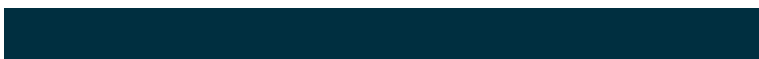
35.2107, 0.2207, 0.2039



19.6184, 0.2980, 0.3225



22.6847, 0.2001, 0.2403



2.3879, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 47.1438, 0.4421, 0.3654 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 47.1438, 0.4421, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

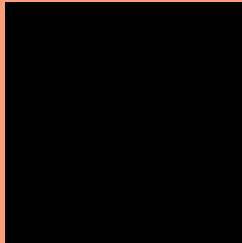
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1438, 0.4421, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 47.1438, 0.4421, 0.3654.



This preview shows how white text looks on a background with the Yxy color 47.1438, 0.4421, 0.3654.

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

47.1438, 0.4421, 0.3654

Protanopia

47.4307, 0.3663, 0.3932

Deuteranopia

47.2317, 0.4026, 0.3942



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

47.1438, 0.4421, 0.3654

Protanomaly

46.7625, 0.3934, 0.3832

Deuteranomaly

47.0800, 0.4173, 0.3834

Tritanomaly

46.9047, 0.4170, 0.3346

Monochromacy



Original Color

47.1438, 0.4421, 0.3654

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4006, 0.3561, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1438, 0.4421, 0.3654 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, 158, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 123)  
}
```

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, 158, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 123) }
```

Border

The CSS property to change the border of an element to Yxy 47.1438, 0.4421, 0.3654 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, 158, 123) }
```

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

```
.border{ border-color:rgb(255, 158, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1438, 0.4421, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 123) }
```

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

```
.background{ background-color: rgb(255,  
158, 123) }
```

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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