

Converting Colors

$Y_{xy}(73.2822, 0.5206, 0.3454)$

Have a look what the booklet for
Yxy(73.2822, 0.5206, 0.3454)
contains.

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Color

Yxy(45.2488, 0.4419, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	FF987F
RGB	255, 152, 127
RGB Percent	100%, 60%, 50%
CMY	0.0001, 0.4038, 0.5019
CMYK	0.00, 0.40, 0.50, 0.00
HSL	12°, 100%, 75%
HSV	12°, 50%, 100%
XYZ	56.2935, 45.2488, 25.8474
YIQ	179.9470, 69.4130, 14.0610

Conversions

Conversions Part 2

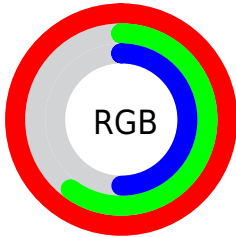
Format	Color
R _Y B	255, 158, 127
Decimal	16750719
CIE Lab	73.06, 36.04, 29.71
CIE LCh	73, 46.704, 39.500
Yxy	45.2488, 0.4419, 0.3552
Android (android.graphics.Color)	4294940799 (0xFFFF987F)
YUV	179.9470, -26.1029, 65.8215
Hunter-Lab	67.2672, 31.6625, 24.3049

Details

The Yxy color **45.2488, 0.4419, 0.3552** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **68.3057, 0.2413, 0.2992**, and the grayscale version is **45.7290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1809, 0.3706, 0.3571**, and **21.0758, 0.4788, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **38.5741, 0.4817, 0.3588**, and if you desaturate by 10%, it is **53.2480, 0.4066, 0.3503**.

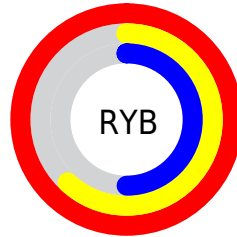
Distribution



Red (100%)

Green (60%)

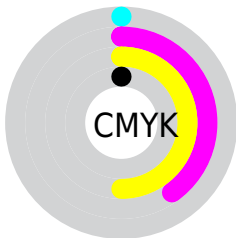
Blue (50%)



Red (100%)

Yellow (62%)

Blue (50%)

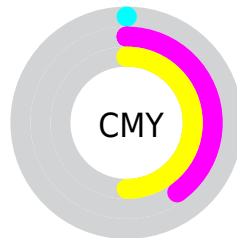


Cyan (0%)

Magenta (40%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2488, 0.4419, 0.3552 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 45.2488, 0.4419, 0.3552 by changing the saturation by 10% instead.

 45.2488, 0.4419,
0.3552


 45.2488, 0.4419,
0.3552


367.7803, 0.3767,
0.3456


 31.6534, 0.4580,
0.3564


 83.0936, 0.4183,
0.3526

 21.0969, 0.4784,
0.3572


 108.1119, 0.4093,
0.3513

 13.1949, 0.5049,
0.3570


 137.7066, 0.4018,
0.3502

 7.5629, 0.5402,
0.3544

172.2621, 0.3953,
0.3491

 3.8165, 0.5896,
0.3466

212.1628, 0.3897,
0.3481

 1.5715, 0.6699,
0.3301

257.7932, 0.3848,

 0.3383, 0.7877,

0.3472

0.2123

309.5375, 0.3805,
0.3463

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.2488, 0.4419,
0.3552

45.2488, 0.4419,
0.3552

38.5741, 0.4817,
0.3588

53.2480, 0.4066,
0.3503

33.1447, 0.5238,
0.3600

62.6313, 0.3764,
0.3449

28.8837, 0.5643,
0.3581

73.4632, 0.3511,
0.3394

25.7018, 0.5982,
0.3527

85.8018, 0.3302,
0.3341

■ 23.5232, 0.6212,
0.3449

99.7022, 0.3130,
0.3291

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



45.2488, 0.4086, 0.3060



45.2488, 0.4419, 0.3552



45.2488, 0.4352, 0.4040

Triad

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



45.2488, 0.4419, 0.3552



45.2488, 0.2712, 0.4102



45.2488, 0.2292, 0.2272

Complementary

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



45.2488, 0.4419, 0.3552



68.3057, 0.2413, 0.2992

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.



45.2488, 0.2013, 0.2413



45.2488, 0.4419, 0.3552



45.2488, 0.2227, 0.3438

Square

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



45.2488, 0.4419, 0.3552



45.2488, 0.3341, 0.4475



45.2488, 0.1987, 0.2810



45.2488, 0.2805, 0.2360

Rectangle

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



45.2488, 0.4419, 0.3552



45.2488, 0.4109, 0.4310



45.2488, 0.1987, 0.2810



45.2488, 0.2172, 0.2292

Sweetspot

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



45.2511, 0.4419, 0.3552



79.6897, 0.3398, 0.3366



42.2351, 0.3398, 0.2266



16.5061, 0.3443, 0.3377



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.



45.2511, 0.4419, 0.3552



38.6960, 0.4809, 0.3587



71.1116, 0.4060, 0.4171



18.5616, 0.3290, 0.3337



12.4558, 0.6188, 0.3469



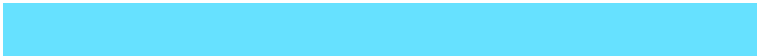
1.3559, 0.5985, 0.3630

Inverse Universe

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



68.3057, 0.2413, 0.2992



63.9468, 0.2308, 0.2924



39.5635, 0.2257, 0.2194



19.8425, 0.2980, 0.3242



26.8407, 0.2069, 0.2649



2.7604, 0.2092, 0.2730

Previews

White Background



This preview shows how the Yxy color 45.2488, 0.4419, 0.3552 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 45.2488, 0.4419, 0.3552 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 45.2488, 0.4419, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 45.2488, 0.4419, 0.3552.



This preview shows how white text looks on a background with the Yxy color 45.2488, 0.4419, 0.3552.

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

45.2488, 0.4419, 0.3552

Protanopia

45.3107, 0.3580, 0.3815

Deuteranopia

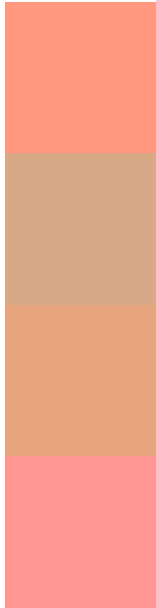
45.3822, 0.3969, 0.3886



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.2488, 0.4419, 0.3552

Protanomaly

44.5723, 0.3875, 0.3707

Deuteranomaly

45.1885, 0.4141, 0.3763

Tritanomaly

45.1793, 0.4225, 0.3325

Monochromacy



Original Color

45.2488, 0.4419, 0.3552

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.5881, 0.3553, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2488, 0.4419, 0.3552 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, 152, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 127) }
```

Border

The CSS property to change the border of an element to Yxy 45.2488, 0.4419, 0.3552 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, 152, 127) }
```

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

```
.border{ border-color:rgb(255, 152, 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, 152, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2488, 0.4419, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 127) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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