

# Converting Colors

$Yxy(72.0963, 0.5238, 0.3481)$

Have a look what the booklet for  
Yxy(72.0963, 0.5238, 0.3481)  
contains.

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# Color

**Yxy(45.1216, 0.4469, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF987A
RGB	255, 152, 122
RGB Percent	100%, 60%, 48%
CMY	0.0000, 0.4039, 0.5216
CMYK	0.00, 0.40, 0.52, 0.00
HSL	14°, 100%, 74%
HSV	14°, 52%, 100%
XYZ	55.9824, 45.1216, 24.1642
YIQ	179.3770, 71.0180, 12.5060

# Conversions

## Conversions Part 2

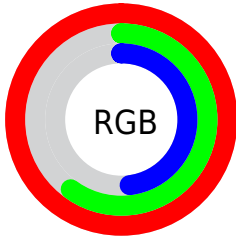
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 122
Decimal	16750714
CIE Lab	72.97, 35.62, 32.31
CIE LCh	73, 48.094, 42.210
Yxy	45.1216, 0.4469, 0.3602
Android (android.graphics.Color)	4294940794 (0xFFFF987A)
YUV	179.3770, -28.2869, 66.3214
Hunter-Lab	67.1726, 31.2117, 25.6922

# Details

The Yxy color **45.1216, 0.4469, 0.3602** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.1938, 0.2381, 0.2929**, and the grayscale version is **45.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9808, 0.3745, 0.3623**, and **21.0647, 0.4832, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **38.6864, 0.4861, 0.3640**, and if you desaturate by 10%, it is **52.7910, 0.4116, 0.3548**.

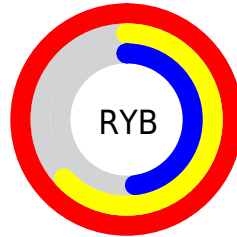
# Distribution



Red (100%)

Green (60%)

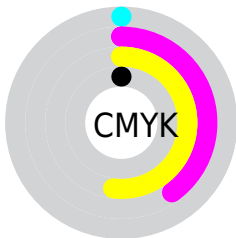
Blue (48%)



Red (100%)

Yellow (63%)

Blue (48%)

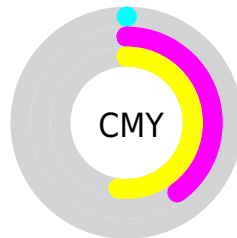


Cyan (0%)

Magenta (40%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1216, 0.4469, 0.3602 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 45.1216, 0.4469, 0.3602 by changing the saturation by 10% instead.





 45.1216, 0.4469,  
0.3602


 45.1216, 0.4469,  
0.3602


367.2658, 0.3792,  
0.3485


 31.5532, 0.4635,  
0.3618


 82.9029, 0.4224,  
0.3569

 21.0205, 0.4844,  
0.3629


 107.8845, 0.4132,  
0.3554

 13.1390, 0.5114,  
0.3631


 137.4394, 0.4054,  
0.3540

 7.5243, 0.5471,  
0.3605

171.9519, 0.3986,  
0.3527

 3.7921, 0.5987,  
0.3537

211.8064, 0.3928,  
0.3515

 1.5580, 0.6686,  
0.3314

257.3873, 0.3877,

 0.3290, 0.7890,

0.3504

0.2110

309.0789, 0.3832,  
0.3494

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.1216, 0.4469,  
0.3602

45.1216, 0.4469,  
0.3602

38.6864, 0.4861,  
0.3640

52.7910, 0.4116,  
0.3548

33.4170, 0.5270,  
0.3652

61.7533, 0.3811,  
0.3486

29.2416, 0.5658,  
0.3627

72.0659, 0.3554,  
0.3422

26.0789, 0.5975,  
0.3562

83.7823, 0.3339,  
0.3360

■ 24.2415, 0.6157,  
0.3493

■ 96.9529, 0.3161,  
0.3302

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.



45.1216, 0.4162, 0.3095



45.1216, 0.4469, 0.3602



45.1216, 0.4361, 0.4099

# Triad

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



45.1216, 0.4469, 0.3602



45.1216, 0.2645, 0.4075



45.1216, 0.2307, 0.2244

# Complementary

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



45.1216, 0.4469, 0.3602



65.1938, 0.2381, 0.2929

# 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.



45.1216, 0.1999, 0.2364



45.1216, 0.4469, 0.3602



45.1216, 0.2168, 0.3376

# Square

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



45.1216, 0.4469, 0.3602



45.1216, 0.3284, 0.4499



45.1216, 0.1948, 0.2746



45.1216, 0.2852, 0.2354



# Rectangle

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



45.1216, 0.4469, 0.3602



45.1216, 0.4092, 0.4368



45.1216, 0.1948, 0.2746



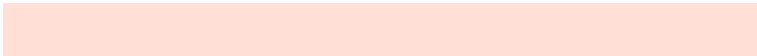
45.1216, 0.2177, 0.2257

# Sweetspot

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



45.1224, 0.4469, 0.3602



79.1194, 0.3417, 0.3384



40.6750, 0.3455, 0.2269



16.4178, 0.3461, 0.3396



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.



45.1224, 0.4469, 0.3602



38.2025, 0.4895, 0.3642



72.4509, 0.4077, 0.4241



18.6519, 0.3289, 0.3344



12.8487, 0.6131, 0.3514

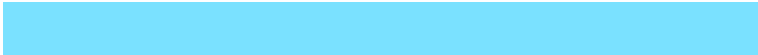


1.4063, 0.5919, 0.3682

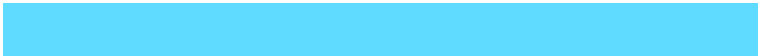


# Inverse Universe

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



65.1938, 0.2381, 0.2929



60.1457, 0.2265, 0.2840



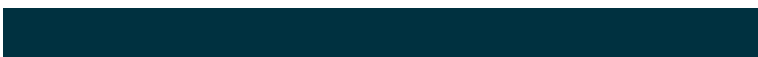
36.3832, 0.2210, 0.2084



19.7450, 0.2980, 0.3235



24.9786, 0.2040, 0.2543



2.5943, 0.2066, 0.2638



# Previews

## White Background



This preview shows how the Yxy color 45.1216, 0.4469, 0.3602 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 45.1216, 0.4469, 0.3602 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 45.1216, 0.4469, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1216, 0.4469, 0.3602.



This preview shows how white text looks on a background with the Yxy color 45.1216, 0.4469, 0.3602.

# 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

45.1216, 0.4469, 0.3602

### Protanopia

45.1679, 0.3623, 0.3881

### Deuteranopia

45.4120, 0.4022, 0.3941



## Tritanopia

45.2581, 0.4103, 0.3188

# Trichromacy



**Original Color**

45.1216, 0.4469, 0.3602

**Protanomaly**

44.4347, 0.3921, 0.3768

**Deuteranomaly**

45.0652, 0.4187, 0.3818

**Tritanomaly**

45.1480, 0.4235, 0.3335

# Monochromacy



**Original Color**

45.1216, 0.4469, 0.3602

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

44.1100, 0.3583, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1216, 0.4469, 0.3602 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1216, 0.4469, 0.3602 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, 122) }
```

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

```
.border{ border-color:rgb(255, 152, 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, 152, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1216, 0.4469, 0.3602 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, 122) }
```

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

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