

# Converting Colors

Yxy(69.9046, 0.5207, 0.3495)

Have a look what the booklet for  
Yxy(69.9046, 0.5207, 0.3495)  
contains.

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# Color

**Yxy(45.0969, 0.4478, 0.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9879
RGB	255, 152, 121
RGB Percent	100%, 60%, 47%
CMY	0.0001, 0.4038, 0.5255
CMYK	0.00, 0.40, 0.53, 0.00
HSL	14°, 100%, 74%
HSV	14°, 53%, 100%
XYZ	55.9092, 45.0969, 23.8469
YIQ	179.2630, 71.3390, 12.1950

# Conversions

## Conversions Part 2

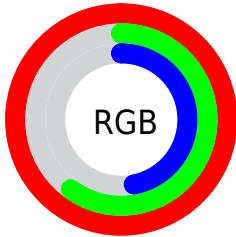
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 121
Decimal	16750713
CIE Lab	72.96, 35.51, 32.82
CIE LCh	73, 48.352, 42.742
Yxy	45.0969, 0.4478, 0.3612
Android (android.graphics.Color)	4294940793 (0xFFFF9879)
YUV	179.2630, -28.7237, 66.4213
Hunter-Lab	67.1542, 31.0901, 25.9537

# Details

The Yxy color **45.0969, 0.4478, 0.3612** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.5586, 0.2374, 0.2916**, and the grayscale version is **45.3570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9416, 0.3752, 0.3634**, and **21.0516, 0.4844, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **38.7099, 0.4869, 0.3651**, and if you desaturate by 10%, it is **52.7042, 0.4125, 0.3557**.

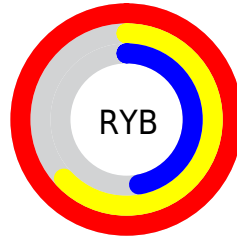
# Distribution



Red (100%)

Green (60%)

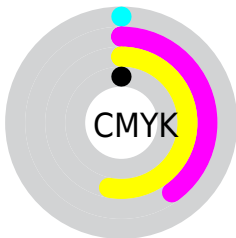
Blue (47%)



Red (100%)

Yellow (63%)

Blue (47%)

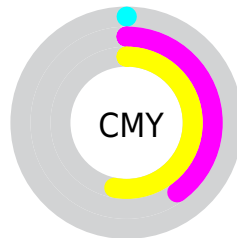


Cyan (0%)

Magenta (40%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0969, 0.4478, 0.3612 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 45.0969, 0.4478, 0.3612 by changing the saturation by 10% instead.





 45.0969, 0.4478,  
0.3612

 45.0969, 0.4478,  
0.3612


367.1659, 0.3797,  
0.3490

 31.5338, 0.4645,  
0.3628


 82.8658, 0.4232,  
0.3578

 21.0056, 0.4855,  
0.3641


 107.8404, 0.4139,  
0.3562

 13.1281, 0.5126,  
0.3643


 137.3875, 0.4060,  
0.3548

 7.5168, 0.5483,  
0.3618

171.8916, 0.3993,  
0.3534

 3.7874, 0.6004,  
0.3553

211.7371, 0.3934,  
0.3522

 1.5553, 0.6683,  
0.3317

257.3084, 0.3883,

 0.3272, 0.7891,

0.3510

0.2109

308.9899, 0.3837,  
0.3500

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.0969, 0.4478,  
0.3612

45.0969, 0.4478,  
0.3612

38.7099, 0.4869,  
0.3651

52.7042, 0.4125,  
0.3557

33.4713, 0.5275,  
0.3662

61.5847, 0.3820,  
0.3493

29.3124, 0.5659,  
0.3636

71.7965, 0.3562,  
0.3428

26.1529, 0.5973,  
0.3569

83.3920, 0.3347,  
0.3364

■ 24.3863, 0.6146,  
0.3502

■ 96.4208, 0.3168,  
0.3305

99.9928, 0.3127,  
0.3290

# Harmonies

## Analogous

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



45.0969, 0.4176, 0.3102



45.0969, 0.4478, 0.3612



45.0969, 0.4362, 0.4110

# Triad

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



45.0969, 0.4478, 0.3612



45.0969, 0.2632, 0.4069



45.0969, 0.2311, 0.2239

# Complementary

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



45.0969, 0.4478, 0.3612



64.5586, 0.2374, 0.2916

# 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.



45.0969, 0.1997, 0.2355



45.0969, 0.4478, 0.3612



45.0969, 0.2156, 0.3363

# Square

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



45.0969, 0.4478, 0.3612



45.0969, 0.3272, 0.4503



45.0969, 0.1941, 0.2734



45.0969, 0.2861, 0.2353



# Rectangle

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



45.0969, 0.4478, 0.3612



45.0969, 0.4087, 0.4379



45.0969, 0.1941, 0.2734



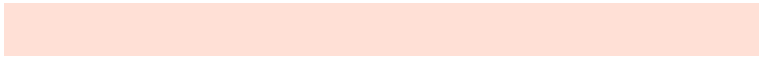
45.0969, 0.2178, 0.2251

# Sweetspot

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



45.0992, 0.4478, 0.3612



79.2486, 0.3417, 0.3386



40.4154, 0.3458, 0.2262



16.4483, 0.3461, 0.3399



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.



45.0992, 0.4478, 0.3612



38.4577, 0.4887, 0.3652



72.2624, 0.4085, 0.4248



18.6696, 0.3289, 0.3346



12.9324, 0.6119, 0.3523

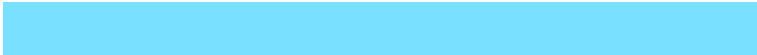


1.4167, 0.5906, 0.3693

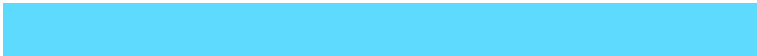


# Inverse Universe

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



64.5586, 0.2374, 0.2916



59.6525, 0.2262, 0.2827



36.0640, 0.2204, 0.2074



19.7260, 0.2980, 0.3234



24.6254, 0.2034, 0.2522



2.5626, 0.2061, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 45.0969, 0.4478, 0.3612 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 45.0969, 0.4478, 0.3612 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 45.0969, 0.4478, 0.3612**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0969, 0.4478, 0.3612.



This preview shows how white text looks on a background with the Yxy color 45.0969, 0.4478, 0.3612.

# 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

45.0969, 0.4478, 0.3612

### Protanopia

45.2436, 0.3649, 0.3905

### Deuteranopia

45.3883, 0.4031, 0.3953



## Tritanopia

45.2581, 0.4103, 0.3188

# Trichromacy



**Original Color**

45.0969, 0.4478, 0.3612

**Protanomaly**

44.5334, 0.3949, 0.3790

**Deuteranomaly**

45.0413, 0.4196, 0.3829

**Tritanomaly**

45.1170, 0.4246, 0.3346

# Monochromacy



**Original Color**

45.0969, 0.4478, 0.3612

**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 45.0969, 0.4478, 0.3612 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0969, 0.4478, 0.3612 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, 121) }
```

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

```
.border{ border-color:rgb(255, 152, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0969, 0.4478, 0.3612 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, 121) }
```

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

```
.background{ background-color: rgb(255,  
152, 121) }
```

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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