

# Converting Colors

$Y_{xy}(45.3154, 0.4378, 0.3674)$

Have a look what the booklet for  
Yxy(45.3154, 0.4378, 0.3674)  
contains.

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# Color

**Yxy(45.2686, 0.4375, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79D79
RGB	247, 157, 121
RGB Percent	97%, 62%, 47%
CMY	0.0314, 0.3843, 0.5256
CMYK	0.00, 0.36, 0.51, 0.03
HSL	17°, 89%, 72%
HSV	17°, 51%, 97%
XYZ	53.8619, 45.2686, 23.9824
YIQ	179.8060, 65.1960, 7.8840

# Conversions

## Conversions Part 2

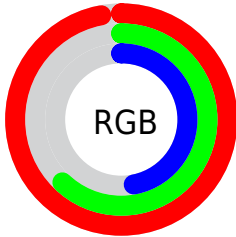
Format	Color
R <sub>Y</sub> B	247, 171, 121
Decimal	16227705
CIE Lab	73.07, 29.85, 32.78
CIE LCh	73, 44.334, 47.684
Yxy	45.2686, 0.4375, 0.3677
Android (android.graphics.Color)	4294417785 (0xFFFF79D79)
YUV	179.8060, -28.9914, 58.9291
Hunter-Lab	67.2819, 25.1530, 25.9637

# Details

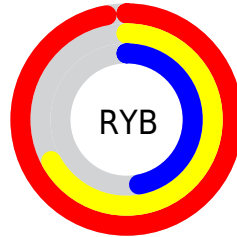
The Yxy color **45.2686, 0.4375, 0.3677** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.3453, 0.2376, 0.2841**, and the grayscale version is **45.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4030, 0.3736, 0.3684**, and **21.1358, 0.4716, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **39.1967, 0.4738, 0.3732**, and if you desaturate by 10%, it is **52.3615, 0.4048, 0.3606**.

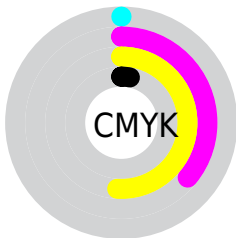
# Distribution



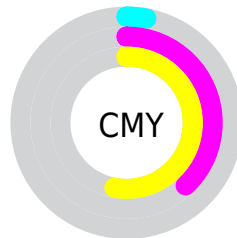
- Red (97%)
- Green (62%)
- Blue (47%)



- Red (97%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (36%)
- Yellow (51%)
- Black (3%)




- Cyan (3%)
- Magenta (38%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2686, 0.4375, 0.3677 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 45.2686, 0.4375, 0.3677 by changing the saturation by 10% instead.





 45.2686, 0.4375,  
0.3677

 45.2686, 0.4375,  
0.3677


367.8603, 0.3747,  
0.3518


 31.6690, 0.4529,  
0.3704


 83.1233, 0.4148,  
0.3628

 21.1088, 0.4723,  
0.3731


 108.1473, 0.4062,  
0.3607

 13.2036, 0.4974,  
0.3752


 137.7482, 0.3989,  
0.3588

 7.5689, 0.5304,  
0.3756

172.3104, 0.3927,  
0.3571

 3.8203, 0.5789,  
0.3733

212.2183, 0.3873,  
0.3556

 1.5736, 0.6434,  
0.3566

257.8563, 0.3826,

 0.3397, 0.7589,

0.3542

0.2411

309.6089, 0.3784,  
0.3529

0.0000, 0.0000,  
0.0000

45.2686, 0.4375,  
0.3677

45.2686, 0.4375,  
0.3677

39.1967, 0.4738,  
0.3732

52.3615, 0.4048,  
0.3606

34.0903, 0.5119,  
0.3758

60.5140, 0.3763,  
0.3527

29.8983, 0.5488,  
0.3744


69.7708, 0.3520,  
0.3447

26.5615, 0.5805,  
0.3683

80.1720, 0.3315,  
0.3370

24.2310, 0.6025,  
0.3598

91.7556, 0.3143,  
0.3297

 98.5119, 0.3078,  
0.3290

# Harmonies

## Analogous

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



45.2686, 0.4158, 0.3198



45.2686, 0.4375, 0.3677



45.2686, 0.4216, 0.4123

# Triad

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



45.2686, 0.4375, 0.3677



45.2686, 0.2589, 0.3901



45.2686, 0.2445, 0.2320

# Complementary

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



45.2686, 0.4375, 0.3677



57.3453, 0.2376, 0.2841

# 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.



45.2686, 0.2112, 0.2394



45.2686, 0.4375, 0.3677



45.2686, 0.2182, 0.3256

# Square

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



45.2686, 0.4375, 0.3677



45.2686, 0.3166, 0.4354



45.2686, 0.2020, 0.2709



45.2686, 0.2986, 0.2457



# Rectangle

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



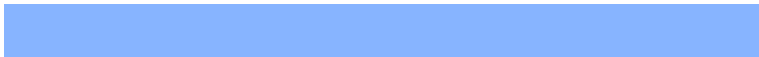
45.2686, 0.4375, 0.3677



45.2686, 0.3938, 0.4342



45.2686, 0.2020, 0.2709



45.2686, 0.2308, 0.2319

# Sweetspot

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



45.2709, 0.4375, 0.3677



81.5718, 0.3393, 0.3400



38.1602, 0.3532, 0.2365



16.9547, 0.3436, 0.3417



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.



45.2709, 0.4375, 0.3677



42.0947, 0.4741, 0.3732



72.1740, 0.4008, 0.4297



17.2542, 0.3286, 0.3358



13.0251, 0.5996, 0.3621



1.3130, 0.5752, 0.3815



# Inverse Universe

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



57.3453, 0.2376, 0.2841



56.2486, 0.2257, 0.2735



32.0476, 0.2211, 0.2007



17.9102, 0.2980, 0.3221



20.3048, 0.1981, 0.2331

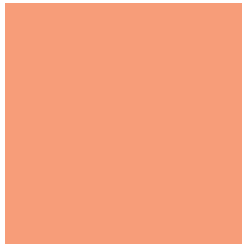


1.9595, 0.2018, 0.2466



# Previews

## White Background



This preview shows how the Yxy color 45.2686, 0.4375, 0.3677 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 45.2686, 0.4375, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

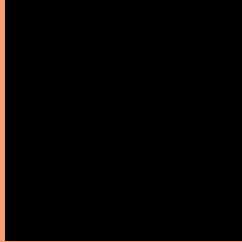
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2686, 0.4375, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2686, 0.4375, 0.3677.



This preview shows how white text looks on a background with the Yxy color 45.2686, 0.4375, 0.3677.

# 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

45.2686, 0.4375, 0.3677

### Protanopia

45.5917, 0.3662, 0.3943

### Deuteranopia

45.4120, 0.4022, 0.3941



## Tritanopia

45.1016, 0.4006, 0.3164

## Trichromacy



### Original Color

45.2686, 0.4375, 0.3677

### Protanomaly

45.1835, 0.3914, 0.3843

### Deuteranomaly

45.3002, 0.4147, 0.3847

### Tritanomaly

45.0603, 0.4145, 0.3347

## Monochromacy



### Original Color

45.2686, 0.4375, 0.3677

### Achromatopsia

45.6411, 0.3127, 0.3290

### Achromatomaly

44.8456, 0.3537, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2686, 0.4375, 0.3677 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(247, 157, 121)` looks like.

```
.text, #text, p{  
    color:rgb(247, 157, 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(247, 157, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 157, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2686, 0.4375, 0.3677 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(247, 157, 121) }
```

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

```
.border{ border-color:rgb(247, 157, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 157, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 157, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 157, 121);  
box-shadow:4px 4px 4px 4px rgb(247, 157,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2686, 0.4375, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 157, 121) }
```

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

```
.background{ background-color: rgb(247,  
157, 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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