

# Converting Colors

$Y_{xy}(43.0212, 0.4470, 0.3780)$

Have a look what the booklet for  
Yxy(43.0212, 0.4470, 0.3780)  
contains.

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# Color

**Yxy(43.0712, 0.4472, 0.3786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F29A6C
RGB	242, 154, 108
RGB Percent	95%, 60%, 42%
CMY	0.0511, 0.3960, 0.5765
CMYK	0.00, 0.36, 0.55, 0.05
HSL	21°, 84%, 69%
HSV	21°, 55%, 95%
XYZ	50.8754, 43.0712, 19.8178
YIQ	175.0680, 67.2140, 4.3500

# Conversions

## Conversions Part 2

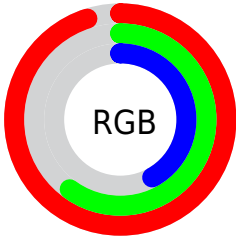
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 178, 108
Decimal	15899244
CIE Lab	71.60, 28.37, 37.70
CIE LCh	72, 47.179, 53.037
Yxy	43.0712, 0.4472, 0.3786
Android (android.graphics.Color)	4294089324 (0xFFFF29A6C)
YUV	175.0680, -33.0645, 58.6994
Hunter-Lab	65.6287, 23.5233, 28.0364

# Details

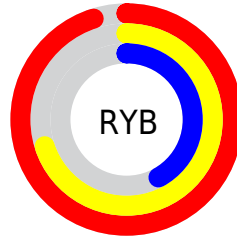
The Yxy color **43.0712, 0.4472, 0.3786** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.0592, 0.2301, 0.2692**, and the grayscale version is **43.0565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3990, 0.3852, 0.3798**, and **19.7636, 0.4846, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **37.7253, 0.4819, 0.3843**, and if you desaturate by 10%, it is **49.2585, 0.4149, 0.3706**.

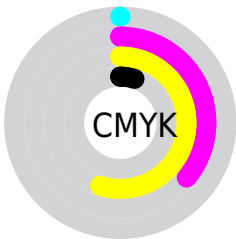
# Distribution



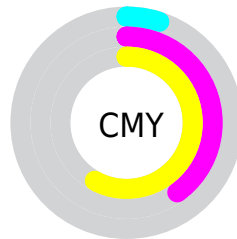
- Red (95%)
- Green (60%)
- Blue (42%)



- Red (95%)
- Yellow (70%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (55%)
- Black (5%)




- Cyan (5%)
- Magenta (40%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0712, 0.4472, 0.3786 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 43.0712, 0.4472, 0.3786 by changing the saturation by 10% instead.




 43.0712, 0.4472,  
0.3786


 43.0712, 0.4472,  
0.3786


358.9045, 0.3794,  
0.3579


 29.9410, 0.4637,  
0.3821


 79.8183, 0.4228,  
0.3722


 19.7938, 0.4843,  
0.3856

 104.2040, 0.4135,  
0.3695

 12.2452, 0.5107,  
0.3884


 133.1102, 0.4056,  
0.3670

 6.9109, 0.5446,  
0.3885

 166.9215, 0.3989,  
0.3648

 3.4065, 0.6066,  
0.3934

206.0222, 0.3930,  
0.3628

 1.3474, 0.6435,  
0.3565

250.7966, 0.3879,

 0.1775, 0.8292,

0.3610

0.1708

301.6293, 0.3834,  
0.3594

0.0000, 0.0000,  
0.0000

43.0712, 0.4472,  
0.3786

43.0712, 0.4472,  
0.3786

37.7253, 0.4819,  
0.3843

49.2585, 0.4149,  
0.3706

33.1750, 0.5172,  
0.3864

56.3170, 0.3861,  
0.3615

29.3796, 0.5500,  
0.3837

64.2828, 0.3611,  
0.3519

26.2906, 0.5773,  
0.3760

73.1880, 0.3396,  
0.3425

25.0782, 0.5880,  
0.3713

83.0630, 0.3213,  
0.3336

■ 93.9369, 0.3059,  
0.3252

■ 97.6139, 0.3047,  
0.3290

# Harmonies

## Analogous

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



43.0712, 0.4314, 0.3275



43.0712, 0.4472, 0.3786



43.0712, 0.4228, 0.4252

# Triad

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



43.0712, 0.4472, 0.3786



43.0712, 0.2449, 0.3833



43.0712, 0.2481, 0.2262

# Complementary

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



43.0712, 0.4472, 0.3786



49.0592, 0.2301, 0.2692

# 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.



43.0712, 0.2084, 0.2296



43.0712, 0.4472, 0.3786



43.0712, 0.2060, 0.3127

# Square

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



43.0712, 0.4472, 0.3786



43.0712, 0.3045, 0.4393



43.0712, 0.1940, 0.2580



43.0712, 0.3092, 0.2445



# Rectangle

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



43.0712, 0.4472, 0.3786



43.0712, 0.3896, 0.4466



43.0712, 0.1940, 0.2580



43.0712, 0.2322, 0.2248

# Sweetspot

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



43.0734, 0.4472, 0.3786



80.6826, 0.3430, 0.3441



33.6440, 0.3655, 0.2361



16.8261, 0.3471, 0.3459



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.



43.0734, 0.4472, 0.3786



42.0440, 0.4848, 0.3846



70.9596, 0.4045, 0.4428



16.6465, 0.3285, 0.3372



13.7030, 0.5850, 0.3737



1.3185, 0.5597, 0.3938



# Inverse Universe

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



49.0592, 0.2301, 0.2692



49.2516, 0.2173, 0.2550



25.6498, 0.2111, 0.1791



16.9615, 0.2980, 0.3207



17.0064, 0.1924, 0.2126



1.5991, 0.1971, 0.2297



# Previews

## White Background



This preview shows how the Yxy color 43.0712, 0.4472, 0.3786 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 43.0712, 0.4472, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

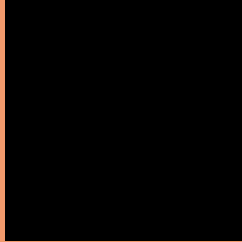
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.0712, 0.4472, 0.3786**

## Background



This preview shows how black text looks on a background with the Yxy color 43.0712, 0.4472, 0.3786.



This preview shows how white text looks on a background with the Yxy color 43.0712, 0.4472, 0.3786.

# 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

43.0712, 0.4472, 0.3786

### Protanopia

43.3880, 0.3777, 0.4080

### Deuteranopia

43.1713, 0.4129, 0.4052



## Tritanopia

43.2413, 0.4032, 0.3184

# Trichromacy



**Original Color**

43.0712, 0.4472, 0.3786

**Protanomaly**

42.8992, 0.4031, 0.3970

**Deuteranomaly**

43.0823, 0.4259, 0.3952

**Tritanomaly**

43.1186, 0.4205, 0.3402

# Monochromacy



**Original Color**

43.0712, 0.4472, 0.3786

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

42.0139, 0.3577, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0712, 0.4472, 0.3786 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(242, 154, 108)` looks like.

```
.text, #text, p{  
    color:rgb(242, 154, 108)  
}
```

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(242, 154, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 154, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0712, 0.4472, 0.3786 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(242, 154, 108) }
```

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

```
.border{ border-color:rgb(242, 154, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 154, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 154, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 154, 108);  
box-shadow:4px 4px 4px 4px rgb(242, 154,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0712, 0.4472, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 154, 108) }
```

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

```
.background{ background-color: rgb(242,  
154, 108) }
```

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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