

# Converting Colors

$Y_{xy}(45.8018, 0.3955, 0.3292)$

Have a look what the booklet for  
Yxy(45.8018, 0.3955, 0.3292)  
contains.

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# Color

**Yxy(45.7996, 0.3955, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F29E9E
RGB	242, 158, 158
RGB Percent	95%, 62%, 62%
CMY	0.0509, 0.3804, 0.3803
CMYK	0.00, 0.35, 0.35, 0.05
HSL	360°, 76%, 78%
HSV	360°, 35%, 95%
XYZ	55.0235, 45.7996, 38.3008
YIQ	183.1160, 50.0640, 17.8080

# Conversions

## Conversions Part 2

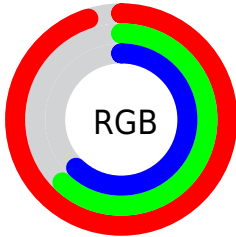
Format	Color
R <sub>Y</sub> B	242, 158, 158
Decimal	15900318
CIE Lab	73.42, 31.30, 12.98
CIE LCh	73, 33.890, 22.524
Yxy	45.7996, 0.3955, 0.3292
Android (android.graphics.Color)	4294090398 (0xFFFF29E9E)
YUV	183.1160, -12.3822, 51.6413
Hunter-Lab	67.6754, 26.6976, 13.8177

# Details

The Yxy color **45.7996, 0.3955, 0.3292** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **77.1946, 0.2637, 0.3289**, and the grayscale version is **47.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6526, 0.3443, 0.3291**, and **21.5600, 0.4194, 0.3279** is the 20% darker color. If you saturate the color by 10%, you get **37.5900, 0.4329, 0.3293**, and if you desaturate by 10%, it is **55.8032, 0.3648, 0.3291**.

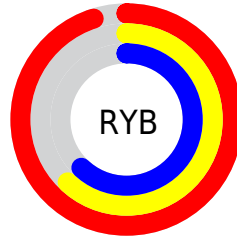
# Distribution



Red (95%)

Green (62%)

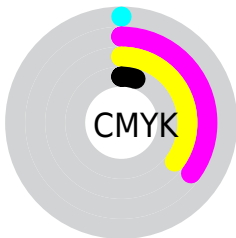
Blue (62%)



Red (95%)

Yellow (62%)

Blue (62%)

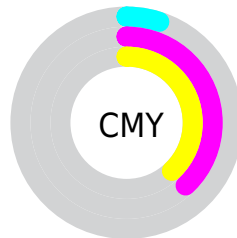


Cyan (0%)

Magenta (35%)

Yellow (35%)

Black (5%)



Cyan (5%)

Magenta (38%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7996, 0.3955, 0.3292 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 45.7996, 0.3955, 0.3292 by changing the saturation by 10% instead.





 45.7996, 0.3955,  
0.3292


 45.7996, 0.3955,  
0.3292


370.0024, 0.3536,  
0.3302

 32.0877, 0.4061,  
0.3286


 83.9190, 0.3802,  
0.3298

 21.4285, 0.4197,  
0.3276


 109.0953, 0.3744,  
0.3300

 13.4376, 0.4378,  
0.3259


138.8619, 0.3696,  
0.3301

 7.7306, 0.4630,  
0.3229

173.6031, 0.3655,  
0.3302

 3.9230, 0.5003,  
0.3170

213.7033, 0.3619,  
0.3302

 1.6306, 0.5622,  
0.3051

259.5471, 0.3588,

 0.3781, 0.7536,

0.3302

0.2464

311.5186, 0.3560,  
0.3302

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.7996, 0.3955,  
0.3292

45.7996, 0.3955,  
0.3292

37.5900, 0.4329,  
0.3293

55.8032, 0.3648,  
0.3291

31.0623, 0.4767,  
0.3294

67.6912, 0.3402,  
0.3291

26.1021, 0.5248,  
0.3296

81.5557, 0.3206,  
0.3290

22.5779, 0.5718,  
0.3297

97.4809, 0.3049,  
0.3290

■ 20.3369, 0.6102,  
0.3298

■ 97.6209, 0.3048,  
0.3290

■ 19.1919, 0.6333,  
0.3299

■ 18.8811, 0.6400,  
0.3300

# Harmonies

## Analogous

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



45.7996, 0.3586, 0.2936



45.7996, 0.3955, 0.3292



45.7996, 0.4080, 0.3671

# Triad

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



45.7996, 0.3955, 0.3292



45.7996, 0.3094, 0.4044



45.7996, 0.2363, 0.2574

# Complementary

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



45.7996, 0.3955, 0.3292



77.1946, 0.2637, 0.3289

# 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.



45.7996, 0.2258, 0.2801



45.7996, 0.3955, 0.3292



45.7996, 0.2657, 0.3675

# Square

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



45.7996, 0.3955, 0.3292



45.7996, 0.3560, 0.4152



45.7996, 0.2359, 0.3200



45.7996, 0.2661, 0.2534



# Rectangle

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



45.7996, 0.3955, 0.3292



45.7996, 0.4007, 0.3898



45.7996, 0.2359, 0.3200



45.7996, 0.2306, 0.2628

# Sweetspot

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



45.8018, 0.3955, 0.3292



83.2615, 0.3304, 0.3290



49.4973, 0.3156, 0.2425



17.3575, 0.3333, 0.3290



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.



45.8018, 0.3955, 0.3292



44.5449, 0.4225, 0.3293



62.0151, 0.3800, 0.3733



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299



0.8437, 0.6399, 0.3299



# Inverse Universe

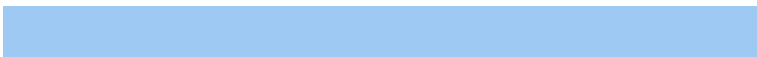
The Inverse Universe completely reimagines the original color for something new.



45.8018, 0.3955, 0.3292



44.5449, 0.4225, 0.3293



55.6438, 0.2571, 0.2799



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299

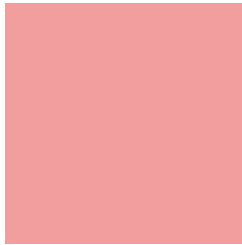


0.8437, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 45.7996, 0.3955, 0.3292 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 45.7996, 0.3955, 0.3292 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 45.7996, 0.3955, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7996, 0.3955, 0.3292.



This preview shows how white text looks on a background with the Yxy color 45.7996, 0.3955, 0.3292.

# 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

45.7996, 0.3955, 0.3292

### Protanopia

46.1096, 0.3270, 0.3421

### Deuteranopia

45.9041, 0.3596, 0.3529



## Tritanopia

45.6588, 0.3870, 0.3160

# Trichromacy



## Original Color

45.7996, 0.3955, 0.3292

## Protanomaly

45.5236, 0.3502, 0.3366

## Deuteranomaly

45.6212, 0.3729, 0.3436

## Tritanomaly

45.8490, 0.3907, 0.3215

# Monochromacy



## Original Color

45.7996, 0.3955, 0.3292

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.1655, 0.3399, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7996, 0.3955, 0.3292 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, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 158, 158)  
}
```

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, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 158, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7996, 0.3955, 0.3292 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, 158, 158) }
```

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

```
.border{ border-color:rgb(242, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(242, 158,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7996, 0.3955, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 158, 158) }
```

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

```
.background{ background-color: rgb(242,  
158, 158) }
```

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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