

# Converting Colors

$Y_{xy}(45.0999, 0.3895, 0.3180)$

Have a look what the booklet for  
Yxy(45.0999, 0.3895, 0.3180)  
contains.

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# Color

**Yxy(45.0365, 0.3895, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F29BA5
RGB	242, 155, 165
RGB Percent	95%, 61%, 65%
CMY	0.0510, 0.3921, 0.3531
CMYK	0.00, 0.36, 0.32, 0.05
HSL	353°, 77%, 78%
HSV	353°, 36%, 95%
XYZ	55.1280, 45.0365, 41.3707
YIQ	182.1530, 48.6420, 21.5540

# Conversions

## Conversions Part 2

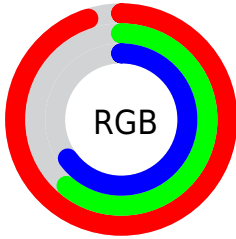
Format	Color
R <sub>Y</sub> B	242, 155, 165
Decimal	15899557
CIE Lab	72.92, 33.72, 8.45
CIE LCh	73, 34.763, 14.061
Yxy	45.0365, 0.3895, 0.3182
Android (android.graphics.Color)	4294089637 (0xFFFF29BA5)
YUV	182.1530, -8.4564, 52.4858
Hunter-Lab	67.1092, 29.1905, 10.4260

# Details

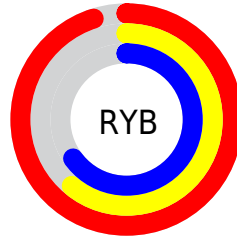
The Yxy color **45.0365, 0.3895, 0.3182** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.3006, 0.2670, 0.3405**, and the grayscale version is **46.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5205, 0.3396, 0.3190**, and **21.0831, 0.4124, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **37.0584, 0.4230, 0.3154**, and if you desaturate by 10%, it is **54.7637, 0.3619, 0.3213**.

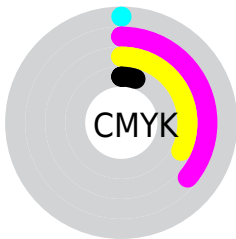
# Distribution



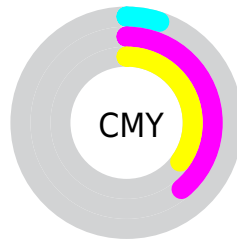
- Red (95%)
- Green (61%)
- Blue (65%)



- Red (95%)
- Yellow (61%)
- Blue (65%)



- Cyan (0%)
- Magenta (36%)
- Yellow (32%)
- Black (5%)




- Cyan (5%)
- Magenta (39%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0365, 0.3895, 0.3182 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 45.0365, 0.3895, 0.3182 by changing the saturation by 10% instead.




 45.0365, 0.3895,  
0.3182

 45.0365, 0.3895,  
0.3182


366.9214, 0.3506,  
0.3244

 31.4862, 0.3993,  
0.3164


 82.7752, 0.3753,  
0.3206

 20.9693, 0.4120,  
0.3140


 107.7323, 0.3699,  
0.3215

 13.1016, 0.4290,  
0.3105

137.2605, 0.3655,  
0.3222

 7.4985, 0.4527,  
0.3052

171.7442, 0.3616,  
0.3228

 3.7758, 0.4881,  
0.2964

211.5677, 0.3583,  
0.3233

 1.5489, 0.5456,  
0.2798

257.1155, 0.3554,

 0.3228, 0.7829,

0.3237

0.2171

308.7719, 0.3529,  
0.3241

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.0365, 0.3895,  
0.3182

45.0365, 0.3895,  
0.3182

37.0584, 0.4230,  
0.3154

54.7637, 0.3619,  
0.3213

30.7193, 0.4625,  
0.3133

66.3284, 0.3396,  
0.3244

25.9071, 0.5065,  
0.3124

79.8208, 0.3216,  
0.3273

22.4926, 0.5513,  
0.3135

95.3234, 0.3073,  
0.3301

■ 20.3253, 0.5913,  
0.3167

■ 97.6168, 0.3047,  
0.3290

■ 19.2196, 0.6203,  
0.3218

■ 18.9592, 0.6286,  
0.3236

# Harmonies

## Analogous

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



45.0365, 0.3464, 0.2836



45.0365, 0.3895, 0.3182



45.0365, 0.4103, 0.3572

# Triad

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



45.0365, 0.3895, 0.3182



45.0365, 0.3230, 0.4132



45.0365, 0.2290, 0.2598

# Complementary

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



45.0365, 0.3895, 0.3182



76.3006, 0.2670, 0.3405

# 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.



45.0365, 0.2240, 0.2885



45.0365, 0.3895, 0.3182



45.0365, 0.2758, 0.3816

# Square

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



45.0365, 0.3895, 0.3182



45.0365, 0.3695, 0.4157



45.0365, 0.2403, 0.3333



45.0365, 0.2542, 0.2505



# Rectangle

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



45.0365, 0.3895, 0.3182



45.0365, 0.4081, 0.3820



45.0365, 0.2403, 0.3333



45.0365, 0.2250, 0.2673

# Sweetspot

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



45.0387, 0.3895, 0.3182



81.8931, 0.3303, 0.3259



46.9875, 0.3082, 0.2375



17.0913, 0.3328, 0.3255



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.



45.0387, 0.3895, 0.3182



44.0833, 0.4129, 0.3161



57.3623, 0.3863, 0.3657



15.7883, 0.3275, 0.3263



10.1952, 0.6261, 0.3223



0.8577, 0.5989, 0.3073



# Inverse Universe

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



45.0387, 0.3895, 0.3182



44.0833, 0.4129, 0.3161



58.8109, 0.2566, 0.2888



15.7883, 0.3275, 0.3263



10.1952, 0.6261, 0.3223



0.8577, 0.5989, 0.3073



# Previews

## White Background



This preview shows how the Yxy color 45.0365, 0.3895, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

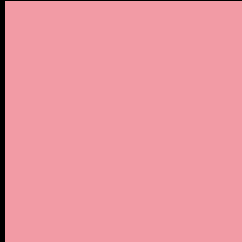
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0365, 0.3895, 0.3182 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 45.0365, 0.3895, 0.3182**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0365, 0.3895, 0.3182.



This preview shows how white text looks on a background with the Yxy color 45.0365, 0.3895, 0.3182.

# 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

45.0365, 0.3895, 0.3182

### Protanopia

45.5218, 0.3170, 0.3303

### Deuteranopia

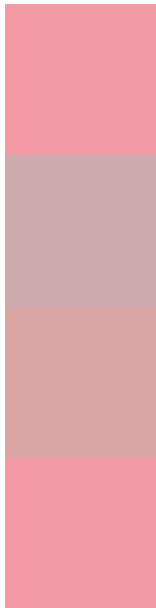
45.1923, 0.3498, 0.3430



## Tritanopia

45.0731, 0.3884, 0.3171

# Trichromacy



**Original Color**

45.0365, 0.3895, 0.3182

**Protanomaly**

44.6040, 0.3415, 0.3253

**Deuteranomaly**

44.6685, 0.3640, 0.3328

**Tritanomaly**

45.0731, 0.3884, 0.3171

# Monochromacy



**Original Color**

45.0365, 0.3895, 0.3182

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

45.4770, 0.3385, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0365, 0.3895, 0.3182 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, 155, 165)` looks like.

```
.text, #text, p{  
    color:rgb(242, 155, 165)  
}
```

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, 155, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 155, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0365, 0.3895, 0.3182 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, 155, 165) }
```

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

```
.border{ border-color:rgb(242, 155, 165) }
```

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

Here you see how a box with a 4 pixel rgb(242, 155, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 155, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 155, 165);  
box-shadow:4px 4px 4px 4px rgb(242, 155,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0365, 0.3895, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 155, 165) }
```

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

```
.background{ background-color: rgb(242,  
155, 165) }
```

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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