

# Converting Colors

$Yxy(29.8833, 0.3711, 0.3151)$

Have a look what the booklet for  
Yxy(29.8833, 0.3711, 0.3151)  
contains.

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# **Color**

**Yxy(29.8232, 0.3709, 0.3142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1848F
RGB	193, 132, 143
RGB Percent	76%, 52%, 56%
CMY	0.2431, 0.4824, 0.4392
CMYK	0.00, 0.32, 0.26, 0.24
HSL	349°, 33%, 64%
HSV	349°, 32%, 76%
XYZ	35.2050, 29.8232, 29.8896
YIQ	151.4930, 32.8250, 16.3530

# Conversions

## Conversions Part 2

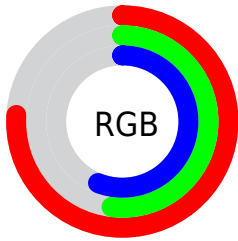
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 132, 143
Decimal	12682383
CIE Lab	61.50, 25.02, 3.64
CIE LCh	62, 25.287, 8.279
Yxy	29.8232, 0.3709, 0.3142
Android (android.graphics.Color)	4290872463 (0xFFC1848F)
YUV	151.4930, -4.1870, 36.4016
Hunter-Lab	54.6106, 19.5024, 5.7767

# Details

The Yxy color **29.8232, 0.3709, 0.3142** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.4305, 0.2749, 0.3446**, and the grayscale version is **31.1786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6583, 0.3589, 0.3176**, and **12.2282, 0.3907, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **24.6191, 0.3986, 0.3095**, and if you desaturate by 10%, it is **36.0661, 0.3482, 0.3191**.

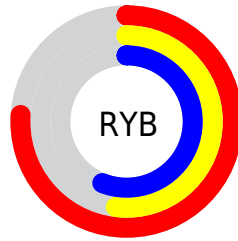
# Distribution



Red (76%)

Green (52%)

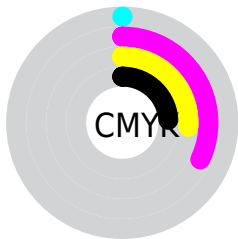
Blue (56%)



Red (76%)

Yellow (52%)

Blue (56%)

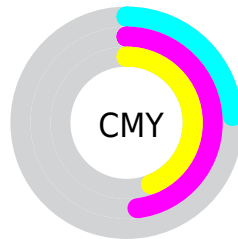


Cyan (0%)

Magenta (32%)

Yellow (26%)

Black (24%)



Cyan (24%)

Magenta (48%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8232, 0.3709, 0.3142 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 29.8232, 0.3709, 0.3142 by changing the saturation by 10% instead.




 29.8232, 0.3709,  
0.3142


 29.8232, 0.3709,  
0.3142


301.0795, 0.3395,  
0.3225


 19.7044, 0.3796,  
0.3118


 59.3825, 0.3589,  
0.3174

 12.1804, 0.3913,  
0.3085


 79.5918, 0.3546,  
0.3186

 6.8666, 0.4079,  
0.3037


 103.9333, 0.3510,  
0.3195

 3.3788, 0.4332,  
0.2960

132.7916, 0.3480,  
0.3203

 1.3326, 0.4763,  
0.2821

166.5510, 0.3454,  
0.3210

 0.1662, 0.8222,  
0.1778

205.5958, 0.3432,

 0.0000, 0.0000,


0.3216


0.0000

250.3105, 0.3412,  
0.3220


 29.8232, 0.3709,  
0.3142

 29.8232, 0.3709,  
0.3142


 24.6191, 0.3986,  
0.3095

 36.0661, 0.3482,  
0.3191


 20.3934, 0.4317,  
0.3053


 43.3957, 0.3297,  
0.3238


 17.0857, 0.4699,  
0.3025


 51.8620, 0.3148,  
0.3283


 14.6273, 0.5114,  
0.3018


 61.5104, 0.3028,  
0.3324


 12.9398, 0.5529,  
0.3040


 72.3841, 0.2930,  
0.3362

 11.9300, 0.5892,  
0.3094

 84.5241, 0.2850,  
0.3397

 11.4600, 0.6131,  
0.3151

 89.9988, 0.2774,  
0.3302

 90.0797, 0.2768,  
0.3289

# Harmonies

## Analogous

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



29.8232, 0.3330, 0.2858



29.8232, 0.3709, 0.3142



29.8232, 0.3925, 0.3473

# Triad

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



29.8232, 0.3709, 0.3142



29.8232, 0.3298, 0.4008



29.8232, 0.2396, 0.2745

# Complementary

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



29.8232, 0.3709, 0.3142



46.4305, 0.2749, 0.3446

# 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.



29.8232, 0.2390, 0.3022



29.8232, 0.3709, 0.3142



29.8232, 0.2894, 0.3789

# Square

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



29.8232, 0.3709, 0.3142



29.8232, 0.3673, 0.3993



29.8232, 0.2566, 0.3410



29.8232, 0.2581, 0.2629



# Rectangle

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



29.8232, 0.3709, 0.3142



29.8232, 0.3941, 0.3688



29.8232, 0.2566, 0.3410



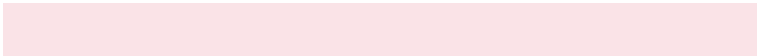
29.8232, 0.2373, 0.2821

# Sweetspot

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



29.8246, 0.3709, 0.3142



81.2637, 0.3258, 0.3250



30.2770, 0.3050, 0.2487



16.9777, 0.3281, 0.3243



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8246, 0.3709, 0.3142



46.7089, 0.3897, 0.3109



35.2418, 0.3758, 0.3553



10.1069, 0.3261, 0.3249



7.6294, 0.6103, 0.3136



0.3389, 0.5513, 0.2811



# Inverse Universe

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



29.8246, 0.3709, 0.3142



46.7089, 0.3897, 0.3109



38.9102, 0.2647, 0.3009



10.1069, 0.3261, 0.3249



7.6294, 0.6103, 0.3136



0.3389, 0.5513, 0.2811



# Previews

## White Background



This preview shows how the Yxy color 29.8232, 0.3709, 0.3142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8232, 0.3709, 0.3142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

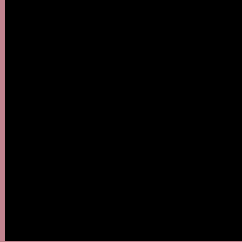
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.8232, 0.3709, 0.3142**

## Background



This preview shows how black text looks on a background with the Yxy color 29.8232, 0.3709, 0.3142.



This preview shows how white text looks on a background with the Yxy color 29.8232, 0.3709, 0.3142.

# 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

29.8232, 0.3709, 0.3142

### Protanopia

30.0261, 0.3120, 0.3228

### Deuteranopia

29.9766, 0.3395, 0.3336



## Tritanopia

29.7930, 0.3721, 0.3156

# Trichromacy



## Original Color

29.8232, 0.3709, 0.3142

## Protanomaly

29.6229, 0.3315, 0.3186

## Deuteranomaly

29.9393, 0.3505, 0.3262

## Tritanomaly

29.7930, 0.3721, 0.3156

# Monochromacy



## Original Color

29.8232, 0.3709, 0.3142

## Achromatopsia

30.9469, 0.3127, 0.3290

## Achromatomaly

30.1916, 0.3322, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8232, 0.3709, 0.3142 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(193, 132, 143)` looks like.

```
.text, #text, p{  
    color:rgb(193, 132, 143)  
}
```

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(193, 132, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 132, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8232, 0.3709, 0.3142 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(193, 132, 143) }
```

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

```
.border{ border-color:rgb(193, 132, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 132, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 132, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 132, 143);  
box-shadow:4px 4px 4px 4px rgb(193, 132,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8232, 0.3709, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 132, 143) }
```

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

```
.background{ background-color: rgb(193,  
132, 143) }
```

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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