

Converting Colors

$Y_{xy}(49.6540, 0.3699, 0.3171)$

Have a look what the booklet for
Yxy(49.6540, 0.3699, 0.3171)
contains.

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Color

Yxy(49.7852, 0.3698, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	F0A8B3
RGB	240, 168, 179
RGB Percent	94%, 66%, 70%
CMY	0.0588, 0.3412, 0.2981
CMYK	0.00, 0.30, 0.25, 0.06
HSL	351°, 71%, 80%
HSV	351°, 30%, 94%
XYZ	58.0775, 49.7852, 49.1884
YIQ	190.7820, 39.3810, 18.6850

Conversions

Conversions Part 2

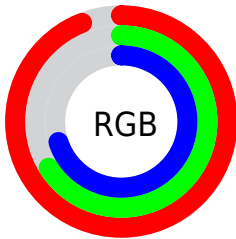
Format	Color
R _Y B	240, 168, 179
Decimal	15771827
CIE Lab	75.94, 28.01, 5.05
CIE LCh	76, 28.458, 10.225
Yxy	49.7852, 0.3698, 0.3170
Android (android.graphics.Color)	4293961907 (0xFFFF0A8B3)
YUV	190.7820, -5.8085, 43.1642
Hunter-Lab	70.5586, 23.4475, 8.0583

Details

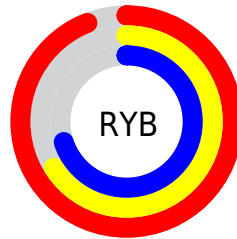
The Yxy color **49.7852, 0.3698, 0.3170** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **76.3139, 0.2751, 0.3416**, and the grayscale version is **51.9859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5695, 0.3273, 0.3182**, and **23.8351, 0.3869, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **40.9651, 0.3983, 0.3129**, and if you desaturate by 10%, it is **60.3669, 0.3466, 0.3212**.

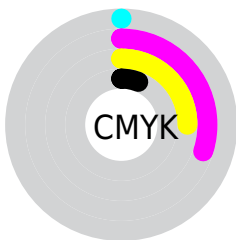
Distribution



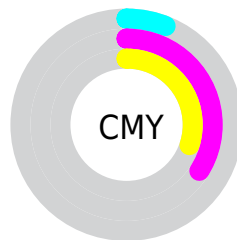
- Red (94%)
- Green (66%)
- Blue (70%)



- Red (94%)
- Yellow (66%)
- Blue (70%)



- Cyan (0%)
- Magenta (30%)
- Yellow (25%)
- Black (6%)





- Cyan (6%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7852, 0.3698, 0.3170 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 49.7852, 0.3698, 0.3170 by changing the saturation by 10% instead.


 49.7852, 0.3698,
0.3170

 49.7852, 0.3698,
0.3170


385.8253, 0.3414,
0.3233

 35.2428, 0.3768,
0.3153


 89.8565, 0.3595,
0.3194

 23.8499, 0.3858,
0.3132


 116.1542, 0.3557,
0.3202

 15.2223, 0.3977,
0.3102


147.1391, 0.3524,
0.3209

 8.9756, 0.4142,
0.3060

183.1956, 0.3496,
0.3216

 4.7253, 0.4383,
0.2994

224.7081, 0.3471,
0.3221

 2.0870, 0.4771,
0.2880

272.0609, 0.3450,

 0.6573, 0.5786,

0.3225

0.2716

325.6385, 0.3431,
0.3229

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7852, 0.3698,
0.3170

49.7852, 0.3698,
0.3170

40.9651, 0.3983,
0.3129

60.3669, 0.3466,
0.3212

33.8042, 0.4326,
0.3094

72.7913, 0.3278,
0.3252

28.2002, 0.4723,
0.3069

87.1430, 0.3127,
0.3290

24.0369, 0.5155,
0.3064

97.2683, 0.3035,
0.3290

■ 21.1813, 0.5584,
0.3085

■ 19.4760, 0.5954,
0.3134

■ 18.6594, 0.6217,
0.3199

Harmonies

Analogous

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



49.7852, 0.3346, 0.2894



49.7852, 0.3698, 0.3170



49.7852, 0.3890, 0.3487

Triad

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



49.7852, 0.3698, 0.3170



49.7852, 0.3266, 0.3962



49.7852, 0.2437, 0.2761

Complementary

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



49.7852, 0.3698, 0.3170



76.3139, 0.2751, 0.3416

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.



49.7852, 0.2420, 0.3016



49.7852, 0.3698, 0.3170



49.7852, 0.2883, 0.3741

Square

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



49.7852, 0.3698, 0.3170



49.7852, 0.3626, 0.3965



49.7852, 0.2578, 0.3379



49.7852, 0.2625, 0.2659

Rectangle

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



49.7852, 0.3698, 0.3170



49.7852, 0.3895, 0.3689



49.7852, 0.2578, 0.3379



49.7852, 0.2412, 0.2830

Sweetspot

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



49.7875, 0.3698, 0.3170



85.0314, 0.3262, 0.3256



50.7938, 0.3063, 0.2520



17.7190, 0.3286, 0.3250



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.



49.7875, 0.3698, 0.3170



50.7080, 0.3866, 0.3145



59.0571, 0.3724, 0.3555



15.7981, 0.3269, 0.3254



10.2249, 0.6188, 0.3182



0.8624, 0.5867, 0.3006

Inverse Universe

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



49.7875, 0.3698, 0.3170



50.7080, 0.3866, 0.3145



63.7346, 0.2663, 0.3007



15.7981, 0.3269, 0.3254



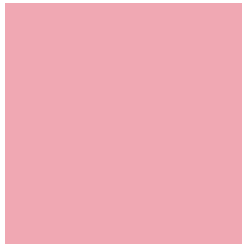
10.2249, 0.6188, 0.3182



0.8624, 0.5867, 0.3006

Previews

White Background



This preview shows how the Yxy color 49.7852, 0.3698, 0.3170 looks on a white background.

Color Contrast Check

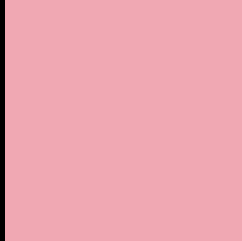
Large Text (above 18pt) WCAG AA × Fail

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 49.7852, 0.3698, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

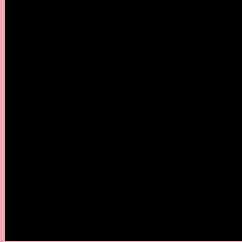
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7852, 0.3698, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 49.7852, 0.3698, 0.3170.



This preview shows how white text looks on a background with the Yxy color 49.7852, 0.3698, 0.3170.

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

49.7852, 0.3698, 0.3170

Protanopia

50.1619, 0.3137, 0.3265

Deuteranopia

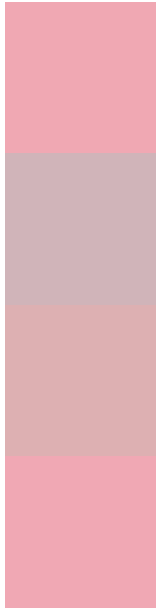
49.9237, 0.3414, 0.3339



Tritanopia

49.8667, 0.3679, 0.3148

Trichromacy



Original Color

49.7852, 0.3698, 0.3170

Protanomaly

49.5552, 0.3330, 0.3230

Deuteranomaly

49.6372, 0.3514, 0.3268

Tritanomaly

49.8258, 0.3688, 0.3159

Monochromacy



Original Color

49.7852, 0.3698, 0.3170

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.0101, 0.3318, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7852, 0.3698, 0.3170 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(240, 168, 179)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 179)  
}
```

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(240, 168, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 179) }
```

Border

The CSS property to change the border of an element to Yxy 49.7852, 0.3698, 0.3170 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(240, 168, 179) }
```

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

```
.border{ border-color:rgb(240, 168, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 168, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 179);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7852, 0.3698, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 179) }
```

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

```
.background{ background-color: rgb(240,  
168, 179) }
```

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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