

Converting Colors

$Y_{xy}(48.2309, 0.3753, 0.3172)$

Have a look what the booklet for
Yxy(48.2309, 0.3753, 0.3172)
contains.

Yxy(48.1713, 0.3747, 0.3170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.1713, 0.3747, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	F0A4AF
RGB	240, 164, 175
RGB Percent	94%, 64%, 69%
CMY	0.0590, 0.3568, 0.3138
CMYK	0.00, 0.32, 0.27, 0.06
HSL	351°, 72%, 79%
HSV	351°, 32%, 94%
XYZ	56.9394, 48.1713, 46.8492
YIQ	187.9780, 41.7650, 19.5330

Conversions

Conversions Part 2

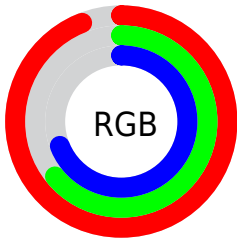
Format	Color
R_{YB}	240, 164, 175
Decimal	15770799
CIE _{Lab}	74.93, 29.55, 5.79
CIE _{LCh}	75, 30.108, 11.092
Yxy	48.1713, 0.3747, 0.3170
Android (android.graphics.Color)	4293960879 (0xFFFF0A4AF)
YUV	187.9780, -6.3982, 45.6233
Hunter-Lab	69.4055, 24.9793, 8.5627

Details

The Yxy color **48.1713, 0.3747, 0.3170** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **75.8530, 0.2730, 0.3416**, and the grayscale version is **50.2964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1596, 0.3312, 0.3191**, and **22.7440, 0.3915, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **39.6319, 0.4045, 0.3132**, and if you desaturate by 10%, it is **58.4583, 0.3504, 0.3210**.

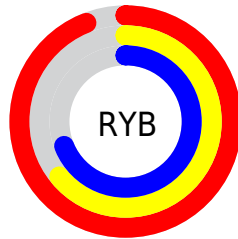
Distribution



Red (94%)

Green (64%)

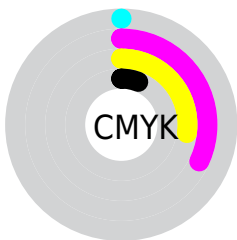
Blue (69%)



Red (94%)

Yellow (64%)

Blue (69%)

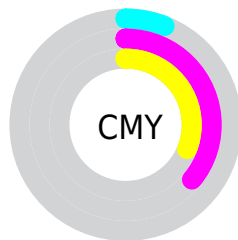


Cyan (0%)

Magenta (32%)

Yellow (27%)

Black (6%)



Cyan (6%)


Magenta (36%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1713, 0.3747, 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 48.1713, 0.3747, 0.3170 by changing the saturation by 10% instead.


 48.1713, 0.3747,
0.3170

 48.1713, 0.3747,
0.3170


379.4707, 0.3437,
0.3234

 33.9626, 0.3824,
0.3153


 87.4594, 0.3634,
0.3194

 22.8648, 0.3924,
0.3130


 113.3075, 0.3592,
0.3203

 14.4937, 0.4055,
0.3099


143.8043, 0.3556,
0.3210

 8.4649, 0.4238,
0.3053

179.3340, 0.3525,
0.3217

 4.3938, 0.4508,
0.2981

220.2811, 0.3499,
0.3222

 1.8962, 0.4945,
0.2854

267.0300, 0.3476,

 0.5461, 0.6397,

0.3227

0.2674

319.9651, 0.3455,
0.3231

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.1713, 0.3747,
0.3170

48.1713, 0.3747,
0.3170

39.6319, 0.4045,
0.3132

58.4583, 0.3504,
0.3210

32.7364, 0.4400,
0.3100

70.5755, 0.3308,
0.3248

27.3808, 0.4809,
0.3080

84.6083, 0.3150,
0.3284

23.4461, 0.5248,
0.3079

97.2595, 0.3035,
0.3290

■ 20.7961, 0.5672,
0.3104

■ 19.2675, 0.6025,
0.3155

■ 18.6389, 0.6233,
0.3207

Harmonies

Analogous

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



48.1713, 0.3373, 0.2875



48.1713, 0.3747, 0.3170



48.1713, 0.3946, 0.3507

Triad

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



48.1713, 0.3747, 0.3170



48.1713, 0.3261, 0.4008



48.1713, 0.2396, 0.2719

Complementary

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



48.1713, 0.3747, 0.3170



75.8530, 0.2730, 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.



48.1713, 0.2372, 0.2985



48.1713, 0.3747, 0.3170



48.1713, 0.2854, 0.3765

Square

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



48.1713, 0.3747, 0.3170



48.1713, 0.3649, 0.4015



48.1713, 0.2534, 0.3372



48.1713, 0.2599, 0.2617

Rectangle

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



48.1713, 0.3747, 0.3170



48.1713, 0.3946, 0.3721



48.1713, 0.2534, 0.3372



48.1713, 0.2367, 0.2790

Sweetspot

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



48.1736, 0.3747, 0.3170



85.0206, 0.3263, 0.3258



49.4369, 0.3069, 0.2480



17.7164, 0.3288, 0.3252



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.



48.1736, 0.3747, 0.3170



48.7300, 0.3933, 0.3145



58.2897, 0.3762, 0.3584



15.7960, 0.3271, 0.3256



10.2179, 0.6205, 0.3192



0.8614, 0.5892, 0.3020

Inverse Universe

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



48.1736, 0.3747, 0.3170



48.7300, 0.3933, 0.3145



61.9677, 0.2636, 0.2974



15.7960, 0.3271, 0.3256



10.2179, 0.6205, 0.3192



0.8614, 0.5892, 0.3020

Previews

White Background



This preview shows how the Yxy color 48.1713, 0.3747, 0.3170 looks on a white background.

Color Contrast Check

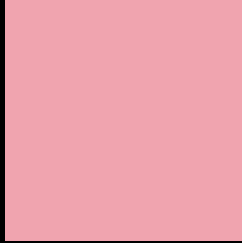
Large Text (above 18pt) WCAG AA × Fail

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 48.1713, 0.3747, 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 48.1713, 0.3747, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 48.1713, 0.3747, 0.3170.



This preview shows how white text looks on a background with the Yxy color 48.1713, 0.3747, 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

48.1713, 0.3747, 0.3170

Protanopia

48.5175, 0.3145, 0.3265

Deuteranopia

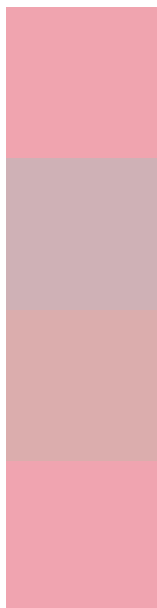
48.0847, 0.3436, 0.3365



Tritanopia

48.2108, 0.3738, 0.3159

Trichromacy



Original Color

48.1713, 0.3747, 0.3170

Protanomaly

48.0871, 0.3351, 0.3230

Deuteranomaly

47.9643, 0.3548, 0.3291

Tritanomaly

48.2108, 0.3738, 0.3159

Monochromacy



Original Color

48.1713, 0.3747, 0.3170

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.9245, 0.3340, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1713, 0.3747, 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, 164, 175)` looks like.

```
.text, #text, p{  
    color:rgb(240, 164, 175)  
}
```

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, 164, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 164, 175) }
```

Border

The CSS property to change the border of an element to Yxy 48.1713, 0.3747, 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, 164, 175) }
```

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

```
.border{ border-color:rgb(240, 164, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 164, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 164, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 164, 175);  
box-shadow:4px 4px 4px 4px rgb(240, 164,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1713, 0.3747, 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, 164, 175) }
```

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

```
.background{ background-color: rgb(240,  
164, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor