

Converting Colors

$Y_{xy}(50.0306, 0.3659, 0.3229)$

Have a look what the booklet for
Yxy(50.0306, 0.3659, 0.3229)
contains.

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Color

Yxy(49.9623, 0.3663, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	EBABB1
RGB	235, 171, 177
RGB Percent	92%, 67%, 69%
CMY	0.0783, 0.3294, 0.3059
CMYK	0.00, 0.27, 0.25, 0.08
HSL	354°, 62%, 80%
HSV	354°, 27%, 92%
XYZ	56.7655, 49.9623, 48.2421
YIQ	190.8200, 36.2180, 15.4340

Conversions

Conversions Part 2

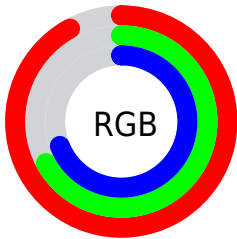
Format	Color
RYB	235, 171, 177
Decimal	15444913
CIELab	76.05, 24.32, 6.23
CIElCh	76, 25.103, 14.370
Yxy	49.9623, 0.3663, 0.3224
Android (android.graphics.Color)	4293634993 (0xFFEBABB1)
YUV	190.8200, -6.8133, 38.7459
Hunter-Lab	70.6840, 19.6542, 9.0131

Details

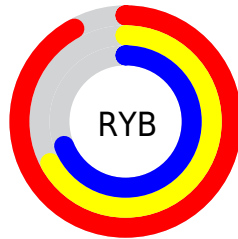
The Yxy color **49.9623, 0.3663, 0.3224** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **73.7483, 0.2762, 0.3358**, and the grayscale version is **52.0168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0814, 0.3284, 0.3231**, and **23.9025, 0.3808, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **41.0774, 0.3953, 0.3199**, and if you desaturate by 10%, it is **60.5629, 0.3428, 0.3249**.

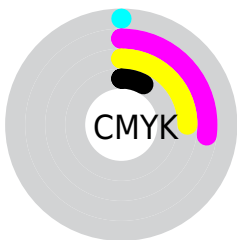
Distribution



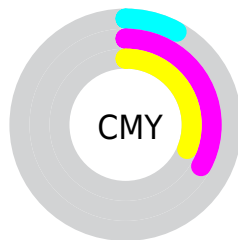
- Red (92%)
- Green (67%)
- Blue (69%)



- Red (92%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (27%)
- Yellow (25%)
- Black (8%)




- Cyan (8%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9623, 0.3663, 0.3224 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 49.9623, 0.3663, 0.3224 by changing the saturation by 10% instead.


 49.9623, 0.3663,
0.3224

 49.9623, 0.3663,
0.3224

386.5185, 0.3396,
0.3261

 35.3834, 0.3729,
0.3214


 90.1190, 0.3566,
0.3238

 23.9584, 0.3814,
0.3200


116.4657, 0.3530,
0.3243

 15.3028, 0.3926,
0.3181


147.5037, 0.3499,
0.3247

 9.0321, 0.4081,
0.3153

183.6175, 0.3473,
0.3251

 4.7622, 0.4309,
0.3107

225.1915, 0.3450,
0.3254

 2.1084, 0.4676,
0.3024

272.6101, 0.3430,

 0.6693, 0.5731,

0.3256

0.2968

326.2576, 0.3412,
0.3259

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9623, 0.3663,
0.3224

49.9623, 0.3663,
0.3224

41.0774, 0.3953,
0.3199

60.5629, 0.3428,
0.3249

33.8115, 0.4304,
0.3177

72.9555, 0.3240,
0.3274

28.0690, 0.4714,
0.3161

87.2202, 0.3089,
0.3296

23.7413, 0.5166,
0.3157

96.4068, 0.3006,
0.3290

■ 20.7054, 0.5616,
0.3169

■ 18.8175, 0.6001,
0.3200

■ 17.8906, 0.6263,
0.3243

■ 17.7248, 0.6314,
0.3252

Harmonies

Analogous

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



49.9623, 0.3369, 0.2968



49.9623, 0.3663, 0.3224



49.9623, 0.3806, 0.3507

Triad

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



49.9623, 0.3663, 0.3224



49.9623, 0.3205, 0.3862



49.9623, 0.2529, 0.2802

Complementary

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



49.9623, 0.3663, 0.3224



73.7483, 0.2762, 0.3358

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.



49.9623, 0.2493, 0.3013



49.9623, 0.3663, 0.3224



49.9623, 0.2870, 0.3646

Square

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



49.9623, 0.3663, 0.3224



49.9623, 0.3530, 0.3895



49.9623, 0.2613, 0.3324



49.9623, 0.2717, 0.2728

Rectangle

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



49.9623, 0.3663, 0.3224



49.9623, 0.3793, 0.3681



49.9623, 0.2613, 0.3324



49.9623, 0.2500, 0.2858

Sweetspot

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



49.9646, 0.3663, 0.3224



86.5337, 0.3253, 0.3272



51.7198, 0.3106, 0.2601



18.0147, 0.3280, 0.3268



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.



49.9646, 0.3663, 0.3224



53.5730, 0.3827, 0.3209



60.3614, 0.3643, 0.3576



15.0770, 0.3278, 0.3268



9.8701, 0.6293, 0.3240



0.7829, 0.6045, 0.3104

Inverse Universe

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



49.9646, 0.3663, 0.3224



53.5730, 0.3827, 0.3209



60.4615, 0.2700, 0.2985



15.0770, 0.3278, 0.3268



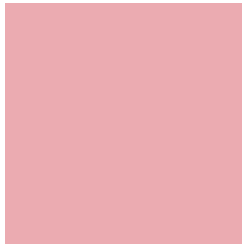
9.8701, 0.6293, 0.3240



0.7829, 0.6045, 0.3104

Previews

White Background



This preview shows how the Yxy color 49.9623, 0.3663, 0.3224 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 49.9623, 0.3663, 0.3224 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 49.9623, 0.3663, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 49.9623, 0.3663, 0.3224.



This preview shows how white text looks on a background with the Yxy color 49.9623, 0.3663, 0.3224.

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

49.9623, 0.3663, 0.3224

Protanopia

50.2923, 0.3177, 0.3303

Deuteranopia

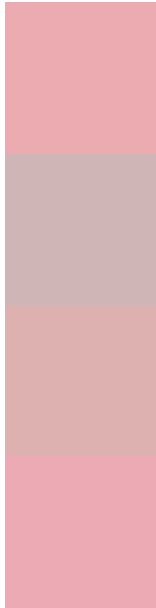
49.9918, 0.3440, 0.3364



Tritanopia

50.0012, 0.3619, 0.3146

Trichromacy



Original Color

49.9623, 0.3663, 0.3224

Protanomaly

49.8765, 0.3345, 0.3266

Deuteranomaly

49.7945, 0.3520, 0.3303

Tritanomaly

49.9185, 0.3637, 0.3168

Monochromacy



Original Color

49.9623, 0.3663, 0.3224

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.0915, 0.3308, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9623, 0.3663, 0.3224 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(235, 171, 177)` looks like.

```
.text, #text, p{  
    color:rgb(235, 171, 177)  
}
```

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(235, 171, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 171, 177) }
```

Border

The CSS property to change the border of an element to Yxy 49.9623, 0.3663, 0.3224 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(235, 171, 177) }
```

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

```
.border{ border-color:rgb(235, 171, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 171, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 171, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 171, 177);  
box-shadow:4px 4px 4px 4px rgb(235, 171,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9623, 0.3663, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 171, 177) }
```

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

```
.background{ background-color: rgb(235,  
171, 177) }
```

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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