

Converting Colors

$Y_{xy}(49.7721, 0.3557, 0.3248)$

Have a look what the booklet for
Yxy(49.7721, 0.3557, 0.3248)
contains.

Yxy(49.6552, 0.3564, 0.3245)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6552, 0.3564, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	E2AEB2
RGB	226, 174, 178
RGB Percent	89%, 68%, 70%
CMY	0.1137, 0.3176, 0.3020
CMYK	0.00, 0.23, 0.21, 0.11
HSL	355°, 47%, 78%
HSV	355°, 23%, 89%
XYZ	54.5366, 49.6552, 48.8289
YIQ	190.0040, 29.7080, 12.2680

Conversions

Conversions Part 2

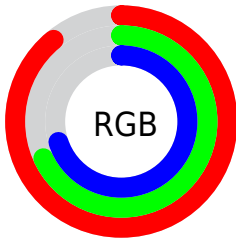
Format	Color
R _Y B	226, 174, 178
Decimal	14855858
CIE Lab	75.86, 19.55, 5.29
CIE LCh	76, 20.250, 15.139
Yxy	49.6552, 0.3564, 0.3245
Android (android.graphics.Color)	4293045938 (0xFFE2AEB2)
YUV	190.0040, -5.9180, 31.5685
Hunter-Lab	70.4664, 14.8314, 8.2422

Details

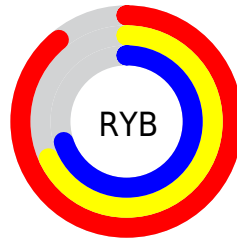
The Yxy color **49.6552, 0.3564, 0.3245** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68.6681, 0.2810, 0.3336**, and the grayscale version is **51.5182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7941, 0.3274, 0.3251**, and **23.7015, 0.3696, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **40.8718, 0.3834, 0.3225**, and if you desaturate by 10%, it is **60.0398, 0.3347, 0.3265**.

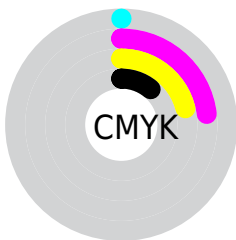
Distribution



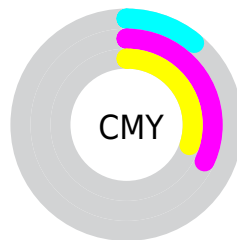
- Red (89%)
- Green (68%)
- Blue (70%)



- Red (89%)
- Yellow (68%)
- Blue (70%)



- Cyan (0%)
- Magenta (23%)
- Yellow (21%)
- Black (11%)





- Cyan (11%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6552, 0.3564, 0.3245 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 49.6552, 0.3564, 0.3245 by changing the saturation by 10% instead.

 49.6552, 0.3564,
0.3245

 49.6552, 0.3564,
0.3245


385.3160, 0.3346,
0.3270

 35.1395, 0.3618,
0.3238


 89.6638, 0.3485,
0.3255

 23.7704, 0.3687,
0.3229


115.9255, 0.3456,
0.3258

 15.1634, 0.3779,
0.3215


146.8713, 0.3430,
0.3261

 8.9341, 0.3906,
0.3196

182.8856, 0.3409,
0.3263

 4.6982, 0.4094,
0.3164

224.3529, 0.3390,
0.3265

 2.0713, 0.4400,
0.3105

271.6574, 0.3374,

 0.6484, 0.5320,

0.3267

325.1837, 0.3359,
0.3269

0.3082

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.6552, 0.3564,
0.3245

49.6552, 0.3564,
0.3245

40.8718, 0.3834,
0.3225

60.0398, 0.3347,
0.3265

33.6035, 0.4164,
0.3205

72.0923, 0.3172,
0.3285

27.7666, 0.4556,
0.3190

85.8843, 0.3033,
0.3302

23.2665, 0.5000,
0.3183

94.9093, 0.2952,
0.3289

■ 19.9972, 0.5461,
0.3188

■ 17.8368, 0.5882,
0.3207

■ 16.6381, 0.6195,
0.3241

■ 16.2109, 0.6332,
0.3262

Harmonies

Analogous

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



49.6552, 0.3331, 0.3032



49.6552, 0.3564, 0.3245



49.6552, 0.3676, 0.3477

Triad

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



49.6552, 0.3564, 0.3245



49.6552, 0.3186, 0.3744



49.6552, 0.2642, 0.2892

Complementary

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



49.6552, 0.3564, 0.3245



68.6681, 0.2810, 0.3336

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.



49.6552, 0.2608, 0.3064



49.6552, 0.3564, 0.3245



49.6552, 0.2914, 0.3569

Square

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



49.6552, 0.3564, 0.3245



49.6552, 0.3450, 0.3779



49.6552, 0.2705, 0.3313



49.6552, 0.2800, 0.2831

Rectangle

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



49.6552, 0.3564, 0.3245



49.6552, 0.3664, 0.3616



49.6552, 0.2705, 0.3313



49.6552, 0.2616, 0.2938

Sweetspot

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



49.6575, 0.3564, 0.3245



88.1190, 0.3238, 0.3277



51.2426, 0.3118, 0.2713



18.6531, 0.3249, 0.3276



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.



49.6575, 0.3564, 0.3245



59.0529, 0.3697, 0.3234



58.5569, 0.3545, 0.3539



13.7175, 0.3280, 0.3272



9.2547, 0.6313, 0.3252



0.6475, 0.6079, 0.3123

Inverse Universe

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



49.6575, 0.3564, 0.3245



59.0529, 0.3697, 0.3234



57.8366, 0.2767, 0.3028



13.7175, 0.3280, 0.3272



9.2547, 0.6313, 0.3252



0.6475, 0.6079, 0.3123

Previews

White Background



This preview shows how the Yxy color 49.6552, 0.3564, 0.3245 looks on a white background.

Color Contrast Check

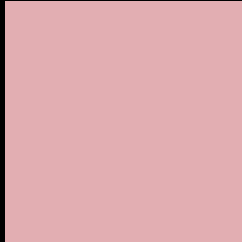
Large Text (above 18pt) WCAG AA × Fail

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 49.6552, 0.3564, 0.3245 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 49.6552, 0.3564, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 49.6552, 0.3564, 0.3245.



This preview shows how white text looks on a background with the Yxy color 49.6552, 0.3564, 0.3245.

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

49.6552, 0.3564, 0.3245

Protanopia

49.6970, 0.3177, 0.3303

Deuteranopia

49.7774, 0.3405, 0.3339



Tritanopia

49.7632, 0.3503, 0.3142

Trichromacy



Original Color

49.6552, 0.3564, 0.3245

Protanomaly

49.6707, 0.3317, 0.3291

Deuteranomaly

49.4622, 0.3464, 0.3303

Tritanomaly

49.6369, 0.3530, 0.3176

Monochromacy



Original Color

49.6552, 0.3564, 0.3245

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.5227, 0.3273, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6552, 0.3564, 0.3245 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(226, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(226, 174, 178)  
}
```

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(226, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 174, 178) }
```

Border

The CSS property to change the border of an element to Yxy 49.6552, 0.3564, 0.3245 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(226, 174, 178) }
```

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

```
.border{ border-color:rgb(226, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(226, 174,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6552, 0.3564, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 174, 178) }
```

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

```
.background{ background-color: rgb(226,  
174, 178) }
```

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