

Converting Colors

$Y_{xy}(31.8774, 0.4230, 0.3349)$

Have a look what the booklet for
Yxy(31.8774, 0.4230, 0.3349)
contains.

Yxy(31.7990, 0.4232, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.7990, 0.4232, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	DA807C
RGB	218, 128, 124
RGB Percent	85%, 50%, 49%
CMY	0.1452, 0.4980, 0.5137
CMYK	0.00, 0.41, 0.43, 0.15
HSL	3°, 56%, 67%
HSV	3°, 43%, 85%
XYZ	40.2673, 31.7990, 23.0833
YIQ	154.4540, 54.9240, 17.8360

Conversions

Conversions Part 2

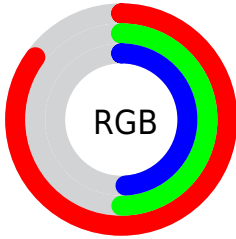
Format	Color
R _{YB}	218, 128, 124
Decimal	14319740
CIE Lab	63.18, 34.25, 17.26
CIE LCh	63, 38.351, 26.741
Yxy	31.7990, 0.4232, 0.3342
Android (android.graphics.Color)	4292509820 (0xFFDA807C)
YUV	154.4540, -15.0138, 55.7298
Hunter-Lab	56.3906, 28.7795, 15.2033

Details

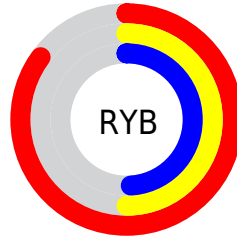
The Yxy color **31.7990, 0.4232, 0.3342** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **57.4232, 0.2536, 0.3236**, and the grayscale version is **32.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8902, 0.3807, 0.3345**, and **13.2893, 0.4610, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **26.4127, 0.4644, 0.3352**, and if you desaturate by 10%, it is **38.4297, 0.3883, 0.3330**.

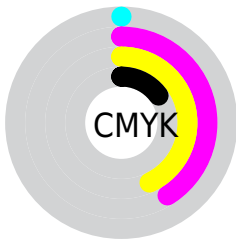
Distribution



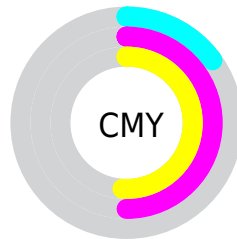
- Red (85%)
- Green (50%)
- Blue (49%)



- Red (85%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (41%)
- Yellow (43%)
- Black (15%)





- Cyan (15%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7990, 0.4232, 0.3342 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 31.7990, 0.4232, 0.3342 by changing the saturation by 10% instead.


 31.7990, 0.4232,
0.3342


 31.7990, 0.4232,
0.3342


310.2026, 0.3639,
0.3336

 21.2080, 0.4393,
0.3335


 62.4959, 0.4007,
0.3346

 13.2761, 0.4606,
0.3321


 83.3705, 0.3925,
0.3345

 7.6190, 0.4901,
0.3290


 108.4419, 0.3857,
0.3344

 3.8521, 0.5330,
0.3222

138.0943, 0.3800,
0.3343

 1.5912, 0.6122,
0.3127

172.7122, 0.3751,
0.3341

 0.3516, 0.7755,
0.2245

212.6799, 0.3709,

 0.0000, 1.0000,

0.3339

0.0000

258.3819, 0.3672,
0.3338

■ 0.0000, 0.0000,
0.0000

■ 31.7990, 0.4232,
0.3342

■ 31.7990, 0.4232,
0.3342

■ 26.4127, 0.4644,
0.3352

■ 38.4297, 0.3883,
0.3330

■ 22.1889, 0.5103,
0.3358

■ 46.3706, 0.3596,
0.3317

■ 19.0432, 0.5570,
0.3356


■ 55.6886, 0.3364,
0.3305

■ 16.8779, 0.5979,
0.3346

■ 66.4446, 0.3177,
0.3293

■ 15.5778, 0.6263,
0.3328

■ 78.6959, 0.3027,
0.3283

 15.1054, 0.6376,
0.3320

 92.4967, 0.2906,
0.3273

 93.6432, 0.2906,
0.3289

Harmonies

Analogous

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



31.7990, 0.3791, 0.2899



31.7990, 0.4232, 0.3342



31.7990, 0.4333, 0.3810

Triad

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



31.7990, 0.4232, 0.3342



31.7990, 0.2988, 0.4226



31.7990, 0.2210, 0.2371

Complementary

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



31.7990, 0.4232, 0.3342



57.4232, 0.2536, 0.3236

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.



31.7990, 0.2047, 0.2607



31.7990, 0.4232, 0.3342



31.7990, 0.2461, 0.3700

Square

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



31.7990, 0.4232, 0.3342



31.7990, 0.3582, 0.4403



31.7990, 0.2131, 0.3079



31.7990, 0.2603, 0.2362

Rectangle

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



31.7990, 0.4232, 0.3342



31.7990, 0.4198, 0.4093



31.7990, 0.2131, 0.3079



31.7990, 0.2129, 0.2423

Sweetspot

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



31.8006, 0.4232, 0.3342



79.4439, 0.3364, 0.3305



34.2167, 0.3207, 0.2269



16.3334, 0.3411, 0.3308



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.



31.8006, 0.4232, 0.3342



38.1310, 0.4615, 0.3352



46.6786, 0.3977, 0.3892



13.1402, 0.3291, 0.3301



9.0908, 0.6367, 0.3326



0.6211, 0.6268, 0.3405

Inverse Universe

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



57.4232, 0.2536, 0.3236



79.3441, 0.2441, 0.3223



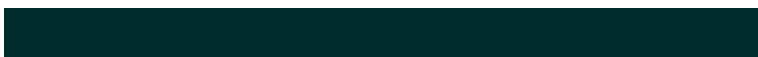
37.2993, 0.2428, 0.2592



14.7291, 0.2982, 0.3279



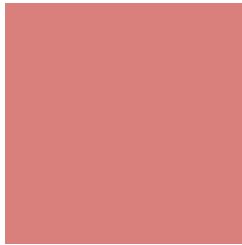
30.3011, 0.2210, 0.3157



1.9932, 0.2217, 0.3180

Previews

White Background



This preview shows how the Yxy color 31.7990, 0.4232, 0.3342 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 31.7990, 0.4232, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

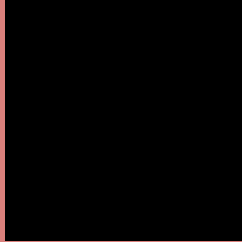
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7990, 0.4232, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 31.7990, 0.4232, 0.3342.



This preview shows how white text looks on a background with the Yxy color 31.7990, 0.4232, 0.3342.

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

31.7990, 0.4232, 0.3342

Protanopia

32.0336, 0.3361, 0.3550

Deuteranopia

31.8316, 0.3740, 0.3666



Tritanopia

31.7594, 0.4106, 0.3172

Trichromacy



Original Color

31.7990, 0.4232, 0.3342

Protanomaly

31.4362, 0.3657, 0.3463

Deuteranomaly

31.4988, 0.3918, 0.3538

Tritanomaly

31.9048, 0.4151, 0.3232

Monochromacy



Original Color

31.7990, 0.4232, 0.3342

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.5811, 0.3492, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7990, 0.4232, 0.3342 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(218, 128, 124)` looks like.

```
.text, #text, p{  
    color:rgb(218, 128, 124)  
}
```

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(218, 128, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 128, 124) }
```

Border

The CSS property to change the border of an element to Yxy 31.7990, 0.4232, 0.3342 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(218, 128, 124) }
```

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

```
.border{ border-color:rgb(218, 128, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 128, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 128, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 128, 124); box-shadow:4px 4px 4px 4px rgb(218, 128, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7990, 0.4232, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 128, 124) }
```

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

```
.background{ background-color: rgb(218,  
128, 124) }
```

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