

Converting Colors

$Y_{xy}(32.0076, 0.4164, 0.3377)$

Have a look what the booklet for
Yxy(32.0076, 0.4164, 0.3377)
contains.

Yxy(31.9840, 0.4173, 0.3380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9840, 0.4173, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	D6837C
RGB	214, 131, 124
RGB Percent	84%, 51%, 49%
CMY	0.1607, 0.4863, 0.5138
CMYK	0.00, 0.39, 0.42, 0.16
HSL	5°, 52%, 66%
HSV	5°, 42%, 84%
XYZ	39.4879, 31.9840, 23.1553
YIQ	155.0190, 51.7150, 15.4190

Conversions

Conversions Part 2

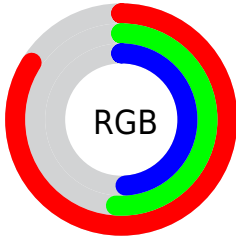
Format	Color
RYB	214, 132, 124
Decimal	14058364
CIELab	63.33, 31.15, 17.40
CIElCh	63, 35.679, 29.182
Yxy	31.9840, 0.4173, 0.3380
Android (android.graphics.Color)	4292248444 (0xFFD6837C)
YUV	155.0190, -15.2924, 51.7263
Hunter-Lab	56.5544, 25.6637, 15.3128

Details

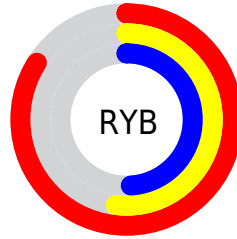
The Yxy color **31.9840, 0.4173, 0.3380** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.7635, 0.2541, 0.3195**, and the grayscale version is **32.8394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1322, 0.3798, 0.3376**, and **13.3132, 0.4525, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **26.6962, 0.4567, 0.3398**, and if you desaturate by 10%, it is **38.4019, 0.3839, 0.3358**.

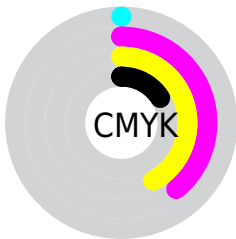
Distribution



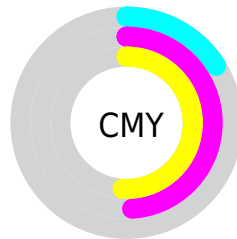
- Red (84%)
- Green (51%)
- Blue (49%)



- Red (84%)
- Yellow (52%)
- Blue (49%)



- Cyan (0%)
- Magenta (39%)
- Yellow (42%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9840, 0.4173, 0.3380 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 31.9840, 0.4173, 0.3380 by changing the saturation by 10% instead.


 31.9840, 0.4173,
0.3380


 31.9840, 0.4173,
0.3380


311.0464, 0.3612,
0.3352

 21.3493, 0.4325,
0.3379


 62.7860, 0.3960,
0.3375

 13.3796, 0.4527,
0.3374


 83.7221, 0.3883,
0.3372

 7.6904, 0.4806,
0.3355


 108.8607, 0.3819,
0.3368

 3.8975, 0.5214,
0.3307

138.5863, 0.3764,
0.3364

 1.6164, 0.5971,
0.3245

173.2833, 0.3718,
0.3361

 0.3686, 0.7557,
0.2443

213.3360, 0.3678,

 0.0000, 1.0000,

0.3358

0.0000

259.1289, 0.3643,
0.3355

0.0000, 0.0000,
0.0000

31.9840, 0.4173,
0.3380

31.9840, 0.4173,
0.3380

26.6962, 0.4567,
0.3398

38.4019, 0.3839,
0.3358

22.4686, 0.5010,
0.3410

46.0051, 0.3564,
0.3336

19.2310, 0.5469,
0.3409


54.8508, 0.3341,
0.3314

16.9025, 0.5887,
0.3394

64.9912, 0.3160,
0.3294

15.3896, 0.6198,
0.3363

76.4755, 0.3014,
0.3275

 14.6891, 0.6350,
0.3340

 89.3504, 0.2894,
0.3259

 93.0381, 0.2883,
0.3289

Harmonies

Analogous

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



31.9840, 0.3786, 0.2958



31.9840, 0.4173, 0.3380



31.9840, 0.4241, 0.3817

Triad

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



31.9840, 0.4173, 0.3380



31.9840, 0.2957, 0.4123



31.9840, 0.2292, 0.2422

Complementary

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



31.9840, 0.4173, 0.3380



53.7635, 0.2541, 0.3195

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.



31.9840, 0.2120, 0.2630



31.9840, 0.4173, 0.3380



31.9840, 0.2475, 0.3624

Square

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



31.9840, 0.4173, 0.3380



31.9840, 0.3512, 0.4321



31.9840, 0.2180, 0.3055



31.9840, 0.2679, 0.2428

Rectangle

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



31.9840, 0.4173, 0.3380



31.9840, 0.4103, 0.4073



31.9840, 0.2180, 0.3055



31.9840, 0.2209, 0.2467

Sweetspot

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



31.9856, 0.4173, 0.3380



80.0706, 0.3362, 0.3317



33.2639, 0.3234, 0.2322



16.4854, 0.3409, 0.3321



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.



31.9856, 0.4173, 0.3380



40.8212, 0.4501, 0.3396



46.4130, 0.3935, 0.3911



12.5747, 0.3289, 0.3309



8.9371, 0.6338, 0.3350



0.5945, 0.6156, 0.3494

Inverse Universe

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



53.7635, 0.2541, 0.3195



77.1135, 0.2450, 0.3173



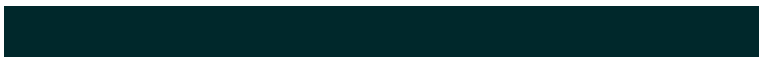
35.3327, 0.2439, 0.2569



13.9345, 0.2983, 0.3271



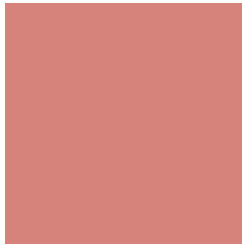
27.2298, 0.2180, 0.3046



1.6927, 0.2192, 0.3091

Previews

White Background



This preview shows how the Yxy color 31.9840, 0.4173, 0.3380 looks on a white background.

Color Contrast Check

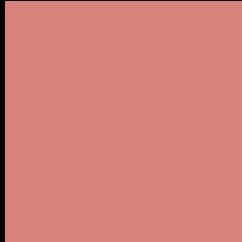
Large Text (above 18pt) WCAG AA × Fail

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 31.9840, 0.4173, 0.3380 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 31.9840, 0.4173, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 31.9840, 0.4173, 0.3380.



This preview shows how white text looks on a background with the Yxy color 31.9840, 0.4173, 0.3380.

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

31.9840, 0.4173, 0.3380

Protanopia

32.1088, 0.3382, 0.3564

Deuteranopia

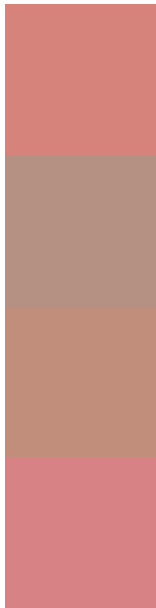
32.2636, 0.3747, 0.3678



Tritanopia

31.9826, 0.4025, 0.3181

Trichromacy



Original Color

31.9840, 0.4173, 0.3380

Protanomaly

31.5928, 0.3653, 0.3492

Deuteranomaly

31.9576, 0.3897, 0.3566

Tritanomaly

32.1058, 0.4081, 0.3256

Monochromacy



Original Color

31.9840, 0.4173, 0.3380

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8015, 0.3468, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9840, 0.4173, 0.3380 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(214, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(214, 131, 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(214, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 131, 124) }
```

Border

The CSS property to change the border of an element to Yxy 31.9840, 0.4173, 0.3380 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(214, 131, 124) }
```

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

```
.border{ border-color:rgb(214, 131, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 131, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 131, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 131, 124);  
box-shadow:4px 4px 4px 4px rgb(214, 131,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9840, 0.4173, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 131, 124) }
```

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

```
.background{ background-color: rgb(214,  
131, 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](#).

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