

Converting Colors

$Y_{xy}(31.7882, 0.4103, 0.3330)$

Have a look what the booklet for
Yxy(31.7882, 0.4103, 0.3330)
contains.

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Color

Yxy(31.7882, 0.4103, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	D48380
RGB	212, 131, 128
RGB Percent	83%, 51%, 50%
CMY	0.1686, 0.4863, 0.4979
CMYK	0.00, 0.38, 0.40, 0.17
HSL	2°, 49%, 67%
HSV	2°, 40%, 83%
XYZ	39.1673, 31.7882, 24.5046
YIQ	154.8770, 49.2390, 16.2390

Conversions

Conversions Part 2

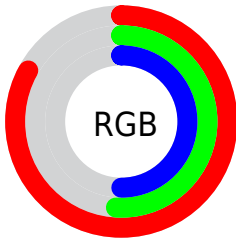
Format	Color
R _Y B	212, 131, 128
Decimal	13927296
CIE Lab	63.17, 30.84, 14.84
CIE LCh	63, 34.223, 25.701
Yxy	31.7882, 0.4103, 0.3330
Android (android.graphics.Color)	4292117376 (0xFFD48380)
YUV	154.8770, -13.2504, 50.0969
Hunter-Lab	56.3810, 25.3351, 13.6978

Details

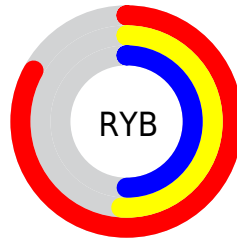
The Yxy color **31.7882, 0.4103, 0.3330** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.9671, 0.2577, 0.3249**, and the grayscale version is **32.7662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2941, 0.3763, 0.3334**, and **13.2704, 0.4440, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **26.3263, 0.4495, 0.3339**, and if you desaturate by 10%, it is **38.4541, 0.3776, 0.3320**.

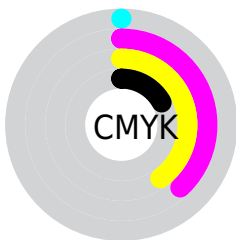
Distribution



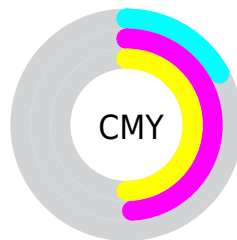
- Red (83%)
- Green (51%)
- Blue (50%)



- Red (83%)
- Yellow (51%)
- Blue (50%)



- Cyan (0%)
- Magenta (38%)
- Yellow (40%)
- Black (17%)





- Cyan (17%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7882, 0.4103, 0.3330 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 31.7882, 0.4103, 0.3330 by changing the saturation by 10% instead.


 31.7882, 0.4103,
0.3330

 31.7882, 0.4103,
0.3330


310.1533, 0.3579,
0.3325

 21.1998, 0.4246,
0.3325


 62.4789, 0.3904,
0.3333

 13.2701, 0.4435,
0.3313


 83.3500, 0.3832,
0.3332

 7.6148, 0.4700,
0.3290


 108.4174, 0.3772,
0.3332

 3.8495, 0.5089,
0.3237

138.0655, 0.3721,
0.3330

 1.5897, 0.5770,
0.3144

172.6788, 0.3678,
0.3329

 0.3507, 0.7600,
0.2400

212.6416, 0.3640,

 0.0000, 1.0000,

0.3328


0.0000

258.3383, 0.3608,
0.3327


 0.0000, 0.0000,
0.0000


 31.7882, 0.4103,
0.3330


 31.7882, 0.4103,
0.3330


 26.3263, 0.4495,
0.3339

 38.4541, 0.3776,
0.3320


 21.9924, 0.4941,
0.3346


 46.3850, 0.3509,
0.3309

 18.7090, 0.5413,
0.3347

 55.6431, 0.3294,
0.3299

 16.3868, 0.5852,
0.3341

 66.2853, 0.3121,
0.3290

 14.9221, 0.6186,
0.3328

 78.3654, 0.2982,
0.3281

■ 14.1798, 0.6373,
0.3317

■ 91.9185, 0.2871,
0.3276

■ 14.1607, 0.6379,
0.3317

■ 92.7381, 0.2872,
0.3289

Harmonies

Analogous

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



31.7882, 0.3703, 0.2927



31.7882, 0.4103, 0.3330



31.7882, 0.4208, 0.3754

Triad

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



31.7882, 0.4103, 0.3330



31.7882, 0.3027, 0.4128



31.7882, 0.2291, 0.2466

Complementary

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



31.7882, 0.4103, 0.3330



54.9671, 0.2577, 0.3249

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.



31.7882, 0.2150, 0.2693



31.7882, 0.4103, 0.3330



31.7882, 0.2546, 0.3674

Square

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



31.7882, 0.4103, 0.3330



31.7882, 0.3559, 0.4279



31.7882, 0.2236, 0.3126



31.7882, 0.2643, 0.2447

Rectangle

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



31.7882, 0.4103, 0.3330



31.7882, 0.4099, 0.4008



31.7882, 0.2236, 0.3126



31.7882, 0.2219, 0.2517

Sweetspot

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



31.7898, 0.4103, 0.3330



80.7742, 0.3344, 0.3301



34.0589, 0.3200, 0.2348



16.8811, 0.3371, 0.3303



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.



31.7898, 0.4103, 0.3330



40.8117, 0.4448, 0.3338



45.3755, 0.3892, 0.3842



12.4903, 0.3290, 0.3299



8.7721, 0.6373, 0.3322



0.5544, 0.6286, 0.3391

Inverse Universe

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



54.9671, 0.2577, 0.3249



80.9672, 0.2482, 0.3239



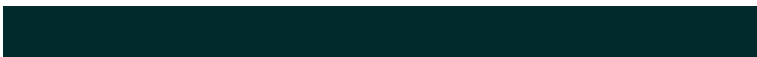
37.0642, 0.2487, 0.2660



14.0291, 0.2983, 0.3281



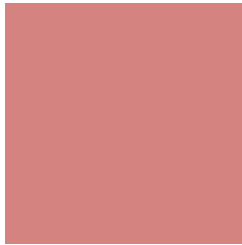
29.7787, 0.2217, 0.3180



1.8201, 0.2222, 0.3200

Previews

White Background



This preview shows how the Yxy color 31.7882, 0.4103, 0.3330 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 31.7882, 0.4103, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

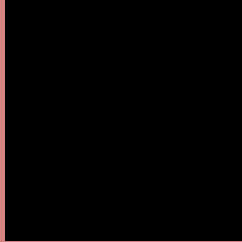
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7882, 0.4103, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 31.7882, 0.4103, 0.3330.



This preview shows how white text looks on a background with the Yxy color 31.7882, 0.4103, 0.3330.

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

31.7882, 0.4103, 0.3330

Protanopia

32.0175, 0.3321, 0.3504

Deuteranopia

31.8131, 0.3687, 0.3609



Tritanopia

31.7107, 0.3991, 0.3168

Trichromacy



Original Color

31.7882, 0.4103, 0.3330

Protanomaly

31.4650, 0.3588, 0.3436

Deuteranomaly

31.5033, 0.3835, 0.3499

Tritanomaly

31.8607, 0.4035, 0.3230

Monochromacy



Original Color

31.7882, 0.4103, 0.3330

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8322, 0.3457, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7882, 0.4103, 0.3330 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(212, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(212, 131, 128)  
}
```

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(212, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 131, 128) }
```

Border

The CSS property to change the border of an element to Yxy 31.7882, 0.4103, 0.3330 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(212, 131, 128) }
```

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

```
.border{ border-color:rgb(212, 131, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 131, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 131, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 131, 128);  
box-shadow:4px 4px 4px 4px rgb(212, 131,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7882, 0.4103, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 131, 128) }
```

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

```
.background{ background-color: rgb(212,  
131, 128) }
```

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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