

Converting Colors

$Yxy(31.8542, 0.4004, 0.3376)$

Have a look what the booklet for
Yxy(31.8542, 0.4004, 0.3376)
contains.

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Color

Yxy(31.8656, 0.4007, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	CD8780
RGB	205, 135, 128
RGB Percent	80%, 53%, 50%
CMY	0.1960, 0.4706, 0.4980
CMYK	0.00, 0.34, 0.38, 0.20
HSL	5°, 44%, 65%
HSV	5°, 38%, 80%
XYZ	37.7433, 31.8656, 24.5845
YIQ	155.1320, 43.9670, 12.6630

Conversions

Conversions Part 2

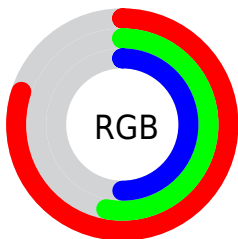
Format	Color
R_{YB}	205, 136, 128
Decimal	13469568
CIE Lab	63.23, 26.00, 14.82
CIE LCh	63, 29.923, 29.688
Yxy	31.8656, 0.4007, 0.3383
Android (android.graphics.Color)	4291659648 (0xFFCD8780)
YUV	155.1320, -13.3761, 43.7342
Hunter-Lab	56.4496, 20.5616, 13.6933

Details

The Yxy color **31.8656, 0.4007, 0.3383** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.4066, 0.2593, 0.3193**, and the grayscale version is **32.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9914, 0.3751, 0.3376**, and **13.2947, 0.4315, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **26.6263, 0.4369, 0.3406**, and if you desaturate by 10%, it is **38.1279, 0.3704, 0.3357**.

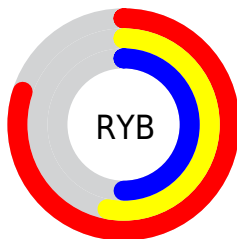
Distribution



Red (80%)

Green (53%)

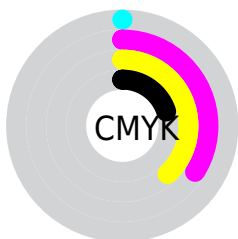
Blue (50%)



Red (80%)

Yellow (53%)

Blue (50%)

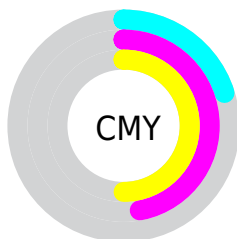


Cyan (0%)

Magenta (34%)

Yellow (38%)

Black (20%)



Cyan (20%)


Magenta (47%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8656, 0.4007, 0.3383 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 31.8656, 0.4007, 0.3383 by changing the saturation by 10% instead.


 31.8656, 0.4007,
0.3383

 31.8656, 0.4007,
0.3383


310.5066, 0.3535,
0.3348

 21.2589, 0.4136,
0.3387


 62.6003, 0.3827,
0.3374

 13.3134, 0.4307,
0.3388


 83.4971, 0.3762,
0.3369

 7.6447, 0.4547,
0.3382


 108.5927, 0.3708,
0.3365

 3.8684, 0.4901,
0.3358

138.2715, 0.3663,
0.3361

 1.6002, 0.5529,
0.3314

172.9179, 0.3624,
0.3357

 0.3578, 0.7329,
0.2671

212.9163, 0.3590,


 0.0000, 0.0000,


0.3354


0.0000


258.6510, 0.3560,
0.3351


 31.8656, 0.4007,
0.3383


 31.8656, 0.4007,
0.3383


 26.6263, 0.4369,
0.3406


 38.1279, 0.3704,
0.3357


 22.3514, 0.4786,
0.3424

 45.4588, 0.3456,
0.3332


 18.9832, 0.5238,
0.3431

 53.9065, 0.3254,
0.3307

 16.4561, 0.5680,
0.3422

 63.5151, 0.3090,
0.3285

 14.6956, 0.6050,
0.3395

 74.3263, 0.2957,
0.3264

■ 13.6122, 0.6292,
0.3356

■ 86.3795, 0.2849,
0.3245

■ 13.4355, 0.6337,
0.3350

■ 91.7233, 0.2833,
0.3289

Harmonies

Analogous

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



31.8656, 0.3688, 0.3016



31.8656, 0.4007, 0.3383



31.8656, 0.4064, 0.3755

Triad

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



31.8656, 0.4007, 0.3383



31.8656, 0.2983, 0.3973



31.8656, 0.2420, 0.2550

Complementary

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



31.8656, 0.4007, 0.3383



49.4066, 0.2593, 0.3193

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.



31.8656, 0.2267, 0.2732



31.8656, 0.4007, 0.3383



31.8656, 0.2572, 0.3563

Square

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



31.8656, 0.4007, 0.3383



31.8656, 0.3452, 0.4149



31.8656, 0.2319, 0.3094



31.8656, 0.2757, 0.2554

Rectangle

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



31.8656, 0.4007, 0.3383



31.8656, 0.3949, 0.3966



31.8656, 0.2319, 0.3094



31.8656, 0.2347, 0.2589

Sweetspot

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



31.8671, 0.4007, 0.3383



83.1158, 0.3321, 0.3316



32.5281, 0.3234, 0.2437



17.3797, 0.3349, 0.3319



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.



31.8671, 0.4007, 0.3383



45.1841, 0.4292, 0.3402



44.4043, 0.3824, 0.3858



11.3745, 0.3288, 0.3312



8.4226, 0.6323, 0.3361



0.4922, 0.6093, 0.3544

Inverse Universe

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



49.4066, 0.2593, 0.3193



77.8754, 0.2500, 0.3169



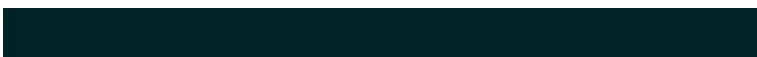
34.1743, 0.2514, 0.2642



12.5462, 0.2983, 0.3268



24.7860, 0.2168, 0.3006



1.3308, 0.2185, 0.3066

Previews

White Background



This preview shows how the Yxy color 31.8656, 0.4007, 0.3383 looks on a white background.

Color Contrast Check

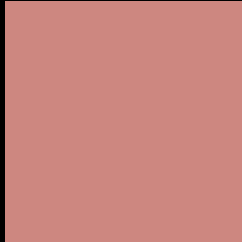
Large Text (above 18pt) WCAG AA × Fail

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 31.8656, 0.4007, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

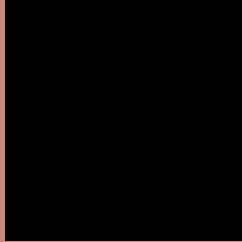
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8656, 0.4007, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 31.8656, 0.4007, 0.3383.



This preview shows how white text looks on a background with the Yxy color 31.8656, 0.4007, 0.3383.

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

31.8656, 0.4007, 0.3383

Protanopia

32.0622, 0.3351, 0.3534

Deuteranopia

31.8388, 0.3676, 0.3595



Tritanopia

31.8800, 0.3850, 0.3164

Trichromacy



Original Color

31.8656, 0.4007, 0.3383

Protanomaly

31.5091, 0.3573, 0.3466

Deuteranomaly

31.8686, 0.3793, 0.3514

Tritanomaly

32.0070, 0.3905, 0.3241

Monochromacy



Original Color

31.8656, 0.4007, 0.3383

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1084, 0.3420, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8656, 0.4007, 0.3383 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(205, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(205, 135, 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(205, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 135, 128) }
```

Border

The CSS property to change the border of an element to Yxy 31.8656, 0.4007, 0.3383 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(205, 135, 128) }
```

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

```
.border{ border-color:rgb(205, 135, 128) }
```

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

Here you see how a box with a 4 pixel rgb(205, 135, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(205, 135,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8656, 0.4007, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 135, 128) }
```

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

```
.background{ background-color: rgb(205,  
135, 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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