

Converting Colors

$Y_{xy}(29.9292, 0.4122, 0.3692)$

Have a look what the booklet for
Yxy(29.9292, 0.4122, 0.3692)
contains.

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Color

Yxy(29.9864, 0.4121, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	C1886A
RGB	193, 136, 106
RGB Percent	76%, 53%, 42%
CMY	0.2431, 0.4667, 0.5844
CMYK	0.00, 0.30, 0.45, 0.24
HSL	21°, 41%, 59%
HSV	21°, 45%, 76%
XYZ	33.3984, 29.9864, 17.6596
YIQ	149.6230, 43.6020, 2.7540

Conversions

Conversions Part 2

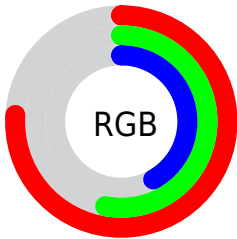
Format	Color
RYB	193, 152, 106
Decimal	12683370
CIELab	61.64, 18.16, 24.80
CIElCh	62, 30.738, 53.776
Yxy	29.9864, 0.4121, 0.3700
Android (android.graphics.Color)	4290873450 (0xFFC1886A)
YUV	149.6230, -21.5061, 38.0416
Hunter-Lab	54.7598, 13.0385, 19.2114

Details

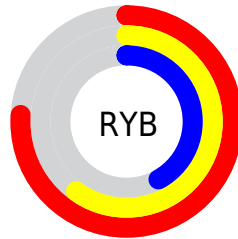
The Yxy color **29.9864, 0.4121, 0.3700** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1041, 0.2448, 0.2827**, and the grayscale version is **30.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8048, 0.3909, 0.3632**, and **12.2794, 0.4461, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **26.2768, 0.4436, 0.3781**, and if you desaturate by 10%, it is **34.2094, 0.3840, 0.3609**.

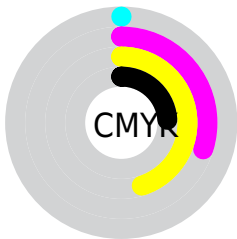
Distribution



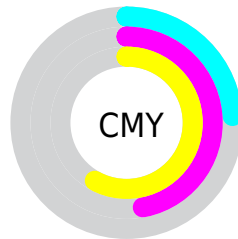
- Red (76%)
- Green (53%)
- Blue (42%)



- Red (76%)
- Yellow (60%)
- Blue (42%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (24%)



- Cyan (24%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9864, 0.4121, 0.3700 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 29.9864, 0.4121, 0.3700 by changing the saturation by 10% instead.

 29.9864, 0.4121,
0.3700


 29.9864, 0.4121,
0.3700


301.8411, 0.3585,
0.3502

 19.8283, 0.4266,
0.3744


 59.6407, 0.3918,
0.3631


 12.2703, 0.4458,
0.3795


 79.9056, 0.3844,
0.3604

 6.9280, 0.4721,
0.3852


 104.3082, 0.3782,
0.3581

 3.4171, 0.5099,
0.3902

 133.2330, 0.3731,
0.3561

 1.3532, 0.5926,
0.4074

167.0643, 0.3686,
0.3543

 0.1818, 0.7722,
0.2278

206.1864, 0.3648,

 0.0000, 0.0000,

0.3528

0.0000

250.9839, 0.3615,
0.3514

■ 29.9864, 0.4121,
0.3700

■ 29.9864, 0.4121,
0.3700

■ 26.2768, 0.4436,
0.3781

■ 34.2094, 0.3840,
0.3609

■ 23.0555, 0.4776,
0.3840

■ 38.9608, 0.3596,
0.3514

■ 20.3017, 0.5123,
0.3866


■ 44.2604, 0.3386,
0.3421


■ 17.9911, 0.5452,
0.3847


■ 50.1255, 0.3207,
0.3333

■ 16.0964, 0.5731,
0.3778

■ 56.5728, 0.3056,
0.3250

 15.3023, 0.5852,
0.3735

 63.6181, 0.2927,
0.3174

 71.2768, 0.2817,
0.3105

 79.2112, 0.2751,
0.3097

 86.7983, 0.2763,
0.3234

Harmonies

Analogous

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



29.9864, 0.4004, 0.3306



29.9864, 0.4121, 0.3700



29.9864, 0.3949, 0.4033

Triad

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



29.9864, 0.4121, 0.3700



29.9864, 0.2619, 0.3673



29.9864, 0.2657, 0.2507

Complementary

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



29.9864, 0.4121, 0.3700



33.1041, 0.2448, 0.2827

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.



29.9864, 0.2341, 0.2538



29.9864, 0.4121, 0.3700



29.9864, 0.2318, 0.3174

Square

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



29.9864, 0.4121, 0.3700



29.9864, 0.3070, 0.4069



29.9864, 0.2223, 0.2765



29.9864, 0.3122, 0.2651

Rectangle

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



29.9864, 0.4121, 0.3700



29.9864, 0.3706, 0.4166



29.9864, 0.2223, 0.2765



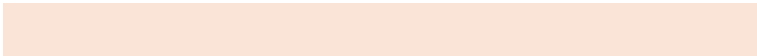
29.9864, 0.2532, 0.2496

Sweetspot

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



29.9879, 0.4121, 0.3700



80.1359, 0.3370, 0.3413



24.3239, 0.3518, 0.2528



16.7265, 0.3412, 0.3433



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9879, 0.4121, 0.3700



47.2083, 0.4428, 0.3779



44.4193, 0.3864, 0.4226



10.6333, 0.3280, 0.3370



10.3128, 0.5829, 0.3754



0.5753, 0.5393, 0.4100

Inverse Universe

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



33.1041, 0.2448, 0.2827



53.4152, 0.2317, 0.2706



20.4651, 0.2327, 0.2131



10.8245, 0.2984, 0.3209



12.7118, 0.1926, 0.2133



0.6736, 0.2006, 0.2421

Previews

White Background



This preview shows how the Yxy color 29.9864, 0.4121, 0.3700 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9864, 0.4121, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

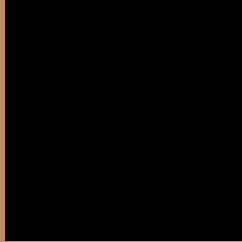
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9864, 0.4121, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 29.9864, 0.4121, 0.3700.



This preview shows how white text looks on a background with the Yxy color 29.9864, 0.4121, 0.3700.

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

29.9864, 0.4121, 0.3700

Protanopia

30.1383, 0.3613, 0.3865

Deuteranopia

30.1298, 0.3919, 0.3842



Tritanopia

29.8914, 0.3770, 0.3157

Trichromacy



Original Color

29.9864, 0.4121, 0.3700

Protanomaly

29.8430, 0.3792, 0.3798

Deuteranomaly

29.8434, 0.3994, 0.3789

Tritanomaly

29.9357, 0.3905, 0.3360

Monochromacy



Original Color

29.9864, 0.4121, 0.3700

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.0790, 0.3466, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9864, 0.4121, 0.3700 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(193, 136, 106)` looks like.

```
.text, #text, p{  
    color:rgb(193, 136, 106)  
}
```

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(193, 136, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 136, 106) }
```

Border

The CSS property to change the border of an element to Yxy 29.9864, 0.4121, 0.3700 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(193, 136, 106) }
```

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

```
.border{ border-color:rgb(193, 136, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 136, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 136, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 136, 106);  
box-shadow:4px 4px 4px 4px rgb(193, 136,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9864, 0.4121, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 136, 106) }
```

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

```
.background{ background-color: rgb(193,  
136, 106) }
```

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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