

Converting Colors

$Y_{xy}(29.8987, 0.4149, 0.3601)$

Have a look what the booklet for
Yxy(29.8987, 0.4149, 0.3601)
contains.

| | |
|---|----|
| Yxy(29.9066, 0.4150, 0.3599) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(29.9066, 0.4150, 0.3599)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C6856E |
| RGB | 198, 133, 110 |
| RGB Percent | 78%, 52%, 43% |
| CMY | 0.2236, 0.4784, 0.5686 |
| CMYK | 0.00, 0.33, 0.44, 0.22 |
| HSL | 16°, 44%, 60% |
| HSV | 16°, 44%, 78% |
| XYZ | 34.4852, 29.9066, 18.7051 |
| YIQ | 149.8130, 46.1230, 6.6270 |

Conversions

Conversions Part 2

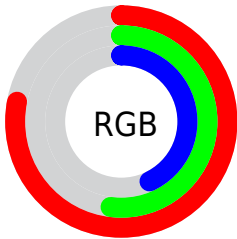
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 198, 141, 110 |
| Decimal | 13010286 |
| CIELab | 61.57, 22.25, 22.57 |
| CIELCh | 62, 31.689, 45.407 |
| Yxy | 29.9066, 0.4150, 0.3599 |
| Android (android.graphics.Color) | 4291200366 (0xFFC6856E) |
| YUV | 149.8130, -19.6278, 42.2600 |
| Hunter-Lab | 54.6869, 16.8589, 18.0013 |

Details

The Yxy color **29.9066, 0.4150, 0.3599** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **38.0310, 0.2475, 0.2947**, and the grayscale version is **30.4865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4093, 0.3921, 0.3555**, and **12.2851, 0.4508, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **25.7956, 0.4492, 0.3660**, and if you desaturate by 10%, it is **34.6739, 0.3850, 0.3529**.

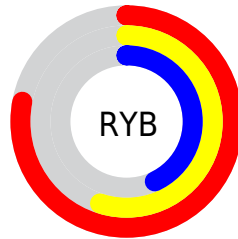
Distribution



Red (78%)

Green (52%)

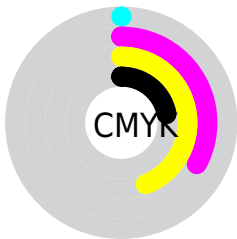
Blue (43%)



Red (78%)

Yellow (55%)

Blue (43%)

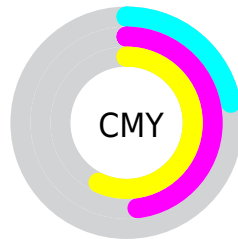


Cyan (0%)

Magenta (33%)

Yellow (44%)

Black (22%)



Cyan (22%)


Magenta (48%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9066, 0.4150, 0.3599 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 29.9066, 0.4150, 0.3599 by changing the saturation by 10% instead.


 29.9066, 0.4150,
0.3599


 29.9066, 0.4150,
0.3599


301.4689, 0.3597,
0.3455


 19.7677, 0.4301,
0.3628


 59.5144, 0.3939,
0.3551

 12.2263, 0.4501,
0.3660


 79.7522, 0.3863,
0.3531

 6.8980, 0.4778,
0.3691


 104.1250, 0.3800,
0.3514

 3.3984, 0.5180,
0.3704

 133.0172, 0.3747,
0.3500

 1.3431, 0.6140,
0.3860

166.8134, 0.3701,
0.3487

 0.1742, 0.8027,
0.1973

205.8978, 0.3662,

 0.0000, 0.0000,

0.3475

0.0000

250.6548, 0.3627,
0.3465

■ 29.9066, 0.4150,
0.3599

■ 29.9066, 0.4150,
0.3599

■ 25.7956, 0.4492,
0.3660

■ 34.6739, 0.3850,
0.3529

■ 22.3070, 0.4867,
0.3702

■ 40.1204, 0.3594,
0.3457

■ 19.4107, 0.5255,
0.3715


■ 46.2735, 0.3379,
0.3386


■ 17.0718, 0.5619,
0.3688

■ 53.1576, 0.3198,
0.3318

■ 15.2514, 0.5920,
0.3618

■ 60.7959, 0.3046,
0.3256

 14.4411, 0.6059,
0.3571

 69.2107, 0.2920,
0.3199

 78.4232, 0.2813,
0.3146

 87.5624, 0.2790,
0.3236

 90.7421, 0.2794,
0.3289

Harmonies

Analogous

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



29.9066, 0.3946, 0.3193



29.9066, 0.4150, 0.3599



29.9066, 0.4051, 0.3970

Triad

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



29.9066, 0.4150, 0.3599



29.9066, 0.2721, 0.3821



29.9066, 0.2533, 0.2474

Complementary

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



29.9066, 0.4150, 0.3599



38.0310, 0.2475, 0.2947

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.



29.9066, 0.2263, 0.2560



29.9066, 0.4150, 0.3599



29.9066, 0.2360, 0.3311

Square

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



29.9066, 0.4150, 0.3599



29.9066, 0.3209, 0.4164



29.9066, 0.2202, 0.2848



29.9066, 0.2977, 0.2575

Rectangle

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



29.9066, 0.4150, 0.3599



29.9066, 0.3838, 0.4148



29.9066, 0.2202, 0.2848



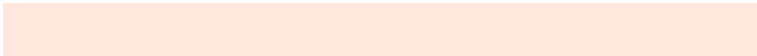
29.9066, 0.2421, 0.2480

Sweetspot

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



29.9081, 0.4150, 0.3599



83.4123, 0.3354, 0.3377



26.2867, 0.3423, 0.2453



17.2995, 0.3398, 0.3393



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.



29.9081, 0.4150, 0.3599



46.1279, 0.4469, 0.3656



44.1702, 0.3894, 0.4133



11.0808, 0.3283, 0.3351



9.5143, 0.6036, 0.3589



0.5725, 0.5613, 0.3926

Inverse Universe

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



38.0310, 0.2475, 0.2947



62.1955, 0.2359, 0.2861



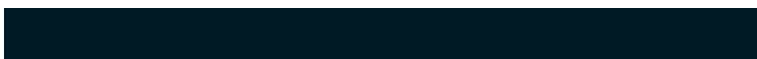
23.8904, 0.2358, 0.2265



11.5796, 0.2984, 0.3228



16.2028, 0.2007, 0.2427



0.8803, 0.2063, 0.2628

Previews

White Background



This preview shows how the Yxy color 29.9066, 0.4150, 0.3599 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 29.9066, 0.4150, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

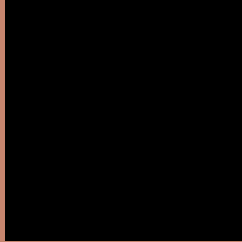
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9066, 0.4150, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 29.9066, 0.4150, 0.3599.



This preview shows how white text looks on a background with the Yxy color 29.9066, 0.4150, 0.3599.

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

29.9066, 0.4150, 0.3599

Protanopia

30.1502, 0.3551, 0.3789

Deuteranopia

30.0747, 0.3876, 0.3802



Tritanopia

29.8440, 0.3847, 0.3160

Trichromacy



Original Color

29.9066, 0.4150, 0.3599

Protanomaly

29.7441, 0.3766, 0.3722

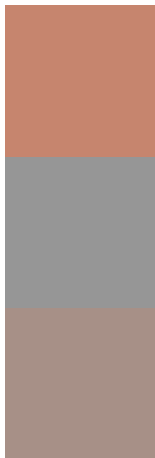
Deuteranomaly

29.8837, 0.3978, 0.3715

Tritanomaly

29.6659, 0.3964, 0.3319

Monochromacy



Original Color

29.9066, 0.4150, 0.3599

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9113, 0.3469, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9066, 0.4150, 0.3599 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(198, 133, 110)` looks like.

```
.text, #text, p{  
    color:rgb(198, 133, 110)  
}
```

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(198, 133, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 133, 110) }
```

Border

The CSS property to change the border of an element to Yxy 29.9066, 0.4150, 0.3599 is called "border". The border property can be set on classes, ids or directly on the HTML element.

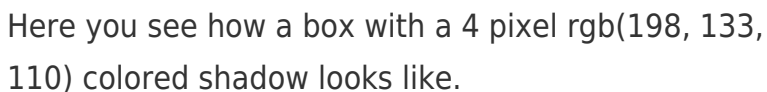
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 133, 110) }
```

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

```
.border{ border-color:rgb(198, 133, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 133, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 133, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 133, 110);  
box-shadow:4px 4px 4px 4px rgb(198, 133,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9066, 0.4150, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 133, 110) }
```

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

```
.background{ background-color: rgb(198,  
133, 110) }
```

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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