

Converting Colors

$Y_{xy}(29.1297, 0.4671, 0.4131)$

Have a look what the booklet for
Yxy(29.1297, 0.4671, 0.4131)
contains.

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Color

Yxy(29.1297, 0.4671, 0.4131)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C8843E |
| RGB | 200, 132, 62 |
| RGB Percent | 78%, 52%, 24% |
| CMY | 0.2158, 0.4823, 0.7568 |
| CMYK | 0.00, 0.34, 0.69, 0.22 |
| HSL | 30°, 56%, 51% |
| HSV | 30°, 69%, 78% |
| XYZ | 32.9375, 29.1297, 8.4477 |
| YIQ | 144.3520, 62.9980, -7.3540 |

Conversions

Conversions Part 2

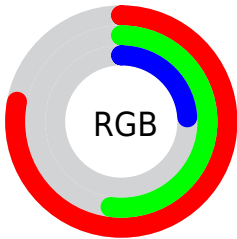
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 196, 200, 62 |
| Decimal | 13141054 |
| CIE Lab | 60.90, 19.75, 47.28 |
| CIE LCh | 61, 51.238, 67.326 |
| Yxy | 29.1297, 0.4671, 0.4131 |
| Android (android.graphics.Color) | 4291331134 (0xFFC8843E) |
| YUV | 144.3520, -40.5995, 48.8033 |
| Hunter-Lab | 53.9719, 14.4825, 28.5003 |

Details

The Yxy color **29.1297, 0.4671, 0.4131** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **21.1590, 0.2056, 0.2133**, and the grayscale version is **28.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1502, 0.4332, 0.4021**, and **11.7170, 0.5101, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **26.4028, 0.4934, 0.4174**, and if you desaturate by 10%, it is **32.1928, 0.4399, 0.4047**.

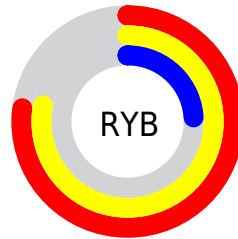
Distribution



Red (78%)

Green (52%)

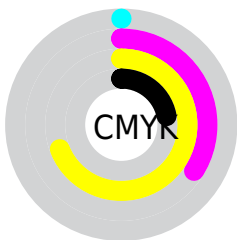
Blue (24%)



Red (77%)

Yellow (78%)

Blue (24%)

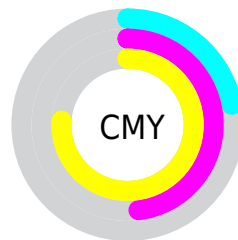


Cyan (0%)

Magenta (34%)

Yellow (69%)

Black (22%)



Cyan (22%)


Magenta (48%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1297, 0.4671, 0.4131 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 29.1297, 0.4671, 0.4131 by changing the saturation by 10% instead.

 29.1297, 0.4671,
0.4131


 29.1297, 0.4671,
0.4131


297.8264, 0.3866,
0.3750


 19.1790, 0.4865,
0.4196


 58.2831, 0.4379,
0.4011


 11.7997, 0.5102,
0.4254


 78.2545, 0.4269,
0.3960


 6.6074, 0.5418,
0.4309


 102.3350, 0.4175,
0.3914

 3.2178, 0.5745,
0.4255

 130.9089, 0.4095,
0.3873

 1.2465, 0.6038,
0.3962

 164.3606, 0.4026,
0.3837

 0.0992, 0.8532,
0.1468

 203.0744, 0.3966,

 0.0000, 0.0000,

0.3805

0.0000

247.4349, 0.3913,
0.3776

■ 29.1297, 0.4671,
0.4131

■ 29.1297, 0.4671,
0.4131

■ 26.4028, 0.4934,
0.4174

■ 32.1928, 0.4399,
0.4047

■ 23.9912, 0.5171,
0.4165

■ 35.6022, 0.4133,
0.3935

■ 21.8737, 0.5373,
0.4106

■ 39.3729, 0.3883,
0.3806

■ 21.6725, 0.5393,
0.4100

■ 43.5174, 0.3655,
0.3670

■ 48.0474, 0.3451,
0.3534

■ 52.9741, 0.3270,
0.3402

■ 58.3081, 0.3112,
0.3278

■ 64.0596, 0.2974,
0.3162

■ 70.2383, 0.2853,
0.3054

Harmonies

Analogous

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



29.1297, 0.4748, 0.3528



29.1297, 0.4671, 0.4131



29.1297, 0.4163, 0.4650

Triad

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



29.1297, 0.4671, 0.4131



29.1297, 0.2035, 0.3528



29.1297, 0.2659, 0.2138

Complementary

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



29.1297, 0.4671, 0.4131



21.1590, 0.2056, 0.2133

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.



29.1297, 0.2061, 0.2045



29.1297, 0.4671, 0.4131



29.1297, 0.1738, 0.2711

Square

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



29.1297, 0.4671, 0.4131



29.1297, 0.2639, 0.4405



29.1297, 0.1753, 0.2218



29.1297, 0.3484, 0.2457

Rectangle

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



29.1297, 0.4671, 0.4131



29.1297, 0.3681, 0.4830



29.1297, 0.1753, 0.2218



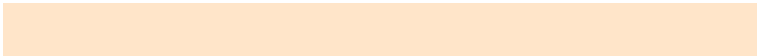
29.1297, 0.2429, 0.2080

Sweetspot

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



29.1312, 0.4671, 0.4131



81.3247, 0.3496, 0.3565



17.3641, 0.4218, 0.2471



16.9314, 0.3553, 0.3603



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.



29.1312, 0.4671, 0.4131



43.4805, 0.5062, 0.4176



53.9258, 0.4054, 0.4822



11.5115, 0.3277, 0.3407



13.9624, 0.5372, 0.4116



0.8059, 0.5062, 0.4362

Inverse Universe

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



21.1590, 0.2056, 0.2133



28.8048, 0.1885, 0.1835



8.6426, 0.1805, 0.1103



11.1360, 0.2983, 0.3170



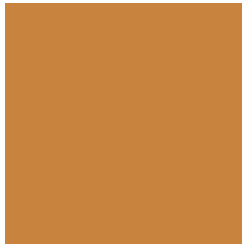
8.4488, 0.1769, 0.1569



0.5450, 0.1876, 0.1952

Previews

White Background



This preview shows how the Yxy color 29.1297, 0.4671, 0.4131 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 29.1297, 0.4671, 0.4131 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 29.1297, 0.4671, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 29.1297, 0.4671, 0.4131.



This preview shows how white text looks on a background with the Yxy color 29.1297, 0.4671, 0.4131.

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

29.1297, 0.4671, 0.4131

Protanopia

29.4776, 0.4079, 0.4468

Deuteranopia

29.1497, 0.4422, 0.4337



Tritanopia

29.1157, 0.3986, 0.3163

Trichromacy



Original Color

29.1297, 0.4671, 0.4131

Protanomaly

29.0748, 0.4297, 0.4344

Deuteranomaly

29.0471, 0.4511, 0.4258

Tritanomaly

28.9580, 0.4269, 0.3539

Monochromacy



Original Color

29.1297, 0.4671, 0.4131

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.8636, 0.3676, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1297, 0.4671, 0.4131 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(200, 132, 62)` looks like.

```
.text, #text, p{  
    color:rgb(200, 132, 62)  
}
```

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(200, 132, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 132, 62) }
```

Border

The CSS property to change the border of an element to Yxy 29.1297, 0.4671, 0.4131 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(200, 132, 62) }
```

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

```
.border{ border-color:rgb(200, 132, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 132, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 132, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 132, 62);  
box-shadow:4px 4px 4px 4px rgb(200, 132,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1297, 0.4671, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 132, 62) }
```

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

```
.background{ background-color: rgb(200,  
132, 62) }
```

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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