

Converting Colors

$Y_{xy}(29.4250, 0.4523, 0.3775)$

Have a look what the booklet for
Yxy(29.4250, 0.4523, 0.3775)
contains.

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Color

Yxy(29.4250, 0.4523, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	CF8059
RGB	207, 128, 89
RGB Percent	81%, 50%, 35%
CMY	0.1882, 0.4980, 0.6511
CMYK	0.00, 0.38, 0.57, 0.19
HSL	20°, 55%, 58%
HSV	20°, 57%, 81%
XYZ	35.2554, 29.4250, 13.2666
YIQ	147.1750, 59.6030, 4.6190

Conversions

Conversions Part 2

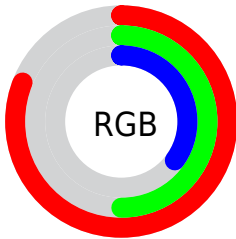
Format	Color
RYB	207, 147, 89
Decimal	13598809
CIELab	61.15, 26.69, 33.87
CIELCh	61, 43.125, 51.768
Yxy	29.4250, 0.4523, 0.3775
Android (android.graphics.Color)	4291788889 (0xFFCF8059)
YUV	147.1750, -28.6803, 52.4665
Hunter-Lab	54.2448, 21.0844, 23.4709

Details

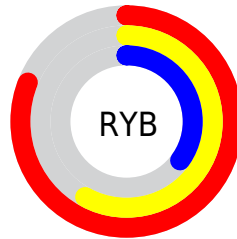
The Yxy color **29.4250, 0.4523, 0.3775** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **34.6259, 0.2292, 0.2701**, and the grayscale version is **29.3562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2012, 0.4137, 0.3720**, and **12.0055, 0.4975, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **25.7551, 0.4875, 0.3825**, and if you desaturate by 10%, it is **33.6893, 0.4195, 0.3701**.

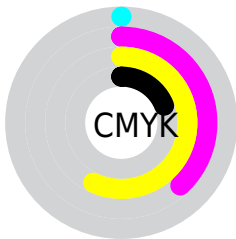
Distribution



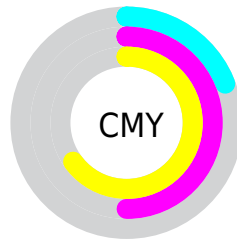
- Red (81%)
- Green (50%)
- Blue (35%)



- Red (81%)
- Yellow (58%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (57%)
- Black (19%)




- Cyan (19%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4250, 0.4523, 0.3775 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 29.4250, 0.4523, 0.3775 by changing the saturation by 10% instead.


 29.4250, 0.4523,
0.3775


 29.4250, 0.4523,
0.3775


299.2150, 0.3775,
0.3561


 19.4026, 0.4720,
0.3811


 58.7517, 0.4242,
0.3708


 11.9615, 0.4974,
0.3844


 78.8247, 0.4139,
0.3679


 6.7175, 0.5309,
0.3858


 103.0166, 0.4053,
0.3654

 3.2860, 0.5885,
0.3899

 131.7120, 0.3980,
0.3631

 1.2828, 0.6377,
0.3623

 165.2951, 0.3918,
0.3610

 0.1279, 0.8581,
0.1419

204.1504, 0.3864,

 0.0000, 0.0000,

0.3592

0.0000

248.6622, 0.3816,
0.3576

■ 29.4250, 0.4523,
0.3775

■ 29.4250, 0.4523,
0.3775

■ 25.7551, 0.4875,
0.3825

■ 33.6893, 0.4195,
0.3701

■ 22.6467, 0.5229,
0.3839

■ 38.5697, 0.3902,
0.3615

■ 20.0704, 0.5556,
0.3807

■ 44.0923, 0.3646,
0.3524

■ 17.9900, 0.5825,
0.3726

■ 50.2800, 0.3427,
0.3434

■ 17.4553, 0.5898,
0.3699

■ 57.1547, 0.3241,
0.3347

■ 64.7374, 0.3083,
0.3267

■ 73.0480, 0.2949,
0.3192

■ 82.1055, 0.2836,
0.3124

■ 90.5524, 0.2842,
0.3265

Harmonies

Analogous

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



29.4250, 0.4343, 0.3249



29.4250, 0.4523, 0.3775



29.4250, 0.4282, 0.4263

Triad

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



29.4250, 0.4523, 0.3775



29.4250, 0.2446, 0.3886



29.4250, 0.2436, 0.2226

Complementary

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



29.4250, 0.4523, 0.3775



34.6259, 0.2292, 0.2701

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.



29.4250, 0.2039, 0.2269



29.4250, 0.4523, 0.3775



29.4250, 0.2036, 0.3147

Square

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



29.4250, 0.4523, 0.3775



29.4250, 0.3068, 0.4455



29.4250, 0.1901, 0.2571



29.4250, 0.3059, 0.2406

Rectangle

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



29.4250, 0.4523, 0.3775



29.4250, 0.3945, 0.4498



29.4250, 0.1901, 0.2571



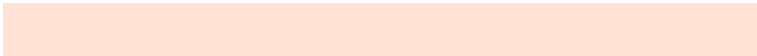
29.4250, 0.2275, 0.2214

Sweetspot

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



29.4265, 0.4523, 0.3775



80.3797, 0.3431, 0.3435



23.2954, 0.3644, 0.2324



16.7551, 0.3472, 0.3453



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.



29.4265, 0.4523, 0.3775



40.3096, 0.4939, 0.3831



48.8400, 0.4076, 0.4428



12.4377, 0.3282, 0.3367



11.1522, 0.5873, 0.3719



0.7679, 0.5512, 0.4005

Inverse Universe

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



34.6259, 0.2292, 0.2701



49.2310, 0.2159, 0.2554



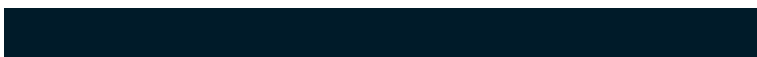
17.9127, 0.2096, 0.1786



12.7208, 0.2983, 0.3211



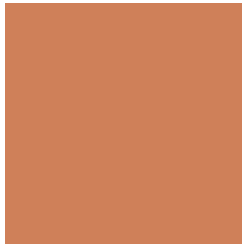
14.5709, 0.1939, 0.2179



0.9568, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 29.4250, 0.4523, 0.3775 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 29.4250, 0.4523, 0.3775 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 29.4250, 0.4523, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 29.4250, 0.4523, 0.3775.



This preview shows how white text looks on a background with the Yxy color 29.4250, 0.4523, 0.3775.

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

29.4250, 0.4523, 0.3775

Protanopia

29.6199, 0.3778, 0.4077

Deuteranopia

29.4249, 0.4150, 0.4067



Tritanopia

29.5335, 0.4072, 0.3179

Trichromacy



Original Color

29.4250, 0.4523, 0.3775

Protanomaly

29.3229, 0.4047, 0.3968

Deuteranomaly

29.2436, 0.4292, 0.3952

Tritanomaly

29.4835, 0.4250, 0.3407

Monochromacy



Original Color

29.4250, 0.4523, 0.3775

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.6975, 0.3602, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4250, 0.4523, 0.3775 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(207, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(207, 128, 89)  
}
```

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(207, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 29.4250, 0.4523, 0.3775 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(207, 128, 89) }
```

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

```
.border{ border-color:rgb(207, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(207, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4250, 0.4523, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 128, 89) }
```

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

```
.background{ background-color: rgb(207,  
128, 89) }
```

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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