

Converting Colors

$Y_{xy}(29.5626, 0.4017, 0.4032)$

Have a look what the booklet for
Yxy(29.5626, 0.4017, 0.4032)
contains.

Yxy(29.5316, 0.4019, 0.4032)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5316, 0.4019, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	AF8F5C
RGB	175, 143, 92
RGB Percent	69%, 56%, 36%
CMY	0.3137, 0.4392, 0.6392
CMYK	0.00, 0.18, 0.47, 0.31
HSL	37°, 34%, 52%
HSV	37°, 47%, 69%
XYZ	29.4364, 29.5316, 14.2751
YIQ	146.7540, 35.4430, -9.0770

Conversions

Conversions Part 2

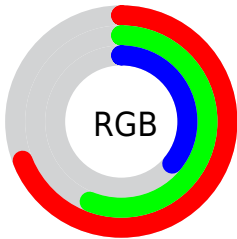
Format	Color
RYB	144, 175, 92
Decimal	11505500
CIELab	61.25, 5.32, 31.58
CIElCh	61, 32.029, 80.436
Yxy	29.5316, 0.4019, 0.4032
Android (android.graphics.Color)	4289695580 (0xFFAF8F5C)
YUV	146.7540, -26.9937, 24.7717
Hunter-Lab	54.3430, 1.5892, 22.4655

Details

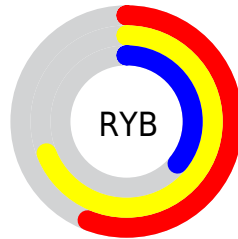
The Yxy color **29.5316, 0.4019, 0.4032** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.7930, 0.2347, 0.2398**, and the grayscale version is **29.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0715, 0.3839, 0.3897**, and **12.0112, 0.4287, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **27.2952, 0.4244, 0.4171**, and if you desaturate by 10%, it is **31.9635, 0.3802, 0.3878**.

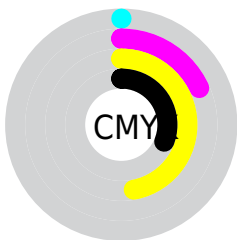
Distribution



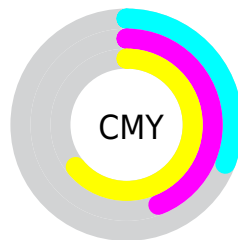
- Red (69%)
- Green (56%)
- Blue (36%)



- Red (56%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (18%)
- Yellow (47%)
- Black (31%)





- Cyan (31%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5316, 0.4019, 0.4032 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 29.5316, 0.4019, 0.4032 by changing the saturation by 10% instead.


 29.5316, 0.4019,
0.4032


 29.5316, 0.4019,
0.4032


299.7150, 0.3546,
0.3649

 19.4833, 0.4142,
0.4127


 58.9206, 0.3842,
0.3892


 12.0200, 0.4302,
0.4245


 79.0302, 0.3777,
0.3840

 6.7573, 0.4510,
0.4392


 103.2623, 0.3722,
0.3795

 3.3108, 0.4864,
0.4641

 132.0014, 0.3676,
0.3757

 1.2961, 0.5205,
0.4795

165.6318, 0.3637,
0.3725

 0.1382, 0.6541,
0.3459

204.5379, 0.3602,

 0.0000, 0.0000,

0.3696

0.0000

249.1042, 0.3572,
0.3671

■ 29.5316, 0.4019,
0.4032

■ 29.5316, 0.4019,
0.4032

■ 27.2952, 0.4244,
0.4171

■ 31.9635, 0.3802,
0.3878

■ 25.2430, 0.4469,
0.4283

■ 34.5933, 0.3598,
0.3717

■ 23.3686, 0.4682,
0.4358

■ 37.4285, 0.3411,
0.3556

■ 21.6634, 0.4872,
0.4385

■ 40.4747, 0.3241,
0.3401

■ 20.1152, 0.5032,
0.4363

■ 43.7376, 0.3090,
0.3253

■ 19.7378, 0.5073,
0.4354

■ 47.2224, 0.2955,
0.3115

■ 50.9340, 0.2835,
0.2987

■ 54.8774, 0.2730,
0.2869

■ 59.0571, 0.2636,
0.2761

Harmonies

Analogous

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



29.5316, 0.4170, 0.3670



29.5316, 0.4019, 0.4032



29.5316, 0.3629, 0.4230

Triad

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



29.5316, 0.4019, 0.4032



29.5316, 0.2307, 0.3223



29.5316, 0.3062, 0.2599

Complementary

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



29.5316, 0.4019, 0.4032



19.7930, 0.2347, 0.2398

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.



29.5316, 0.2590, 0.2467



29.5316, 0.4019, 0.4032



29.5316, 0.2184, 0.2778

Square

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



29.5316, 0.4019, 0.4032



29.5316, 0.2642, 0.3748



29.5316, 0.2283, 0.2521



29.5316, 0.3593, 0.2880

Rectangle

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



29.5316, 0.4019, 0.4032



29.5316, 0.3296, 0.4207



29.5316, 0.2283, 0.2521



29.5316, 0.2891, 0.2536

Sweetspot

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



29.5330, 0.4019, 0.4032



68.7164, 0.3355, 0.3506



18.2574, 0.3872, 0.2802



15.0210, 0.3392, 0.3539



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.5330, 0.4019, 0.4032



48.6620, 0.4257, 0.4178



39.6237, 0.3732, 0.4462



8.8034, 0.3272, 0.3429



14.2538, 0.5060, 0.4365



0.4983, 0.4736, 0.4622

Inverse Universe

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



19.7930, 0.2347, 0.2398



29.1360, 0.2171, 0.2155



13.4781, 0.2321, 0.1856



8.2448, 0.2986, 0.3147



5.2458, 0.1681, 0.1249



0.2538, 0.1857, 0.1883

Previews

White Background



This preview shows how the Yxy color 29.5316, 0.4019, 0.4032 looks on a white background.

Color Contrast Check

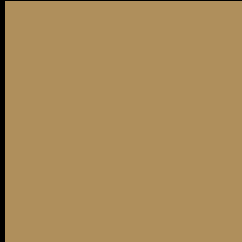
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5316, 0.4019, 0.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

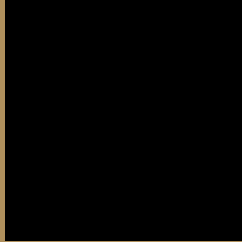
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5316, 0.4019, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 29.5316, 0.4019, 0.4032.



This preview shows how white text looks on a background with the Yxy color 29.5316, 0.4019, 0.4032.

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

29.5316, 0.4019, 0.4032

Protanopia

29.5650, 0.3807, 0.4122

Deuteranopia

29.4062, 0.4079, 0.3992



Tritanopia

29.4182, 0.3504, 0.3134

Trichromacy



Original Color

29.5316, 0.4019, 0.4032

Protanomaly

29.4551, 0.3886, 0.4091

Deuteranomaly

29.5837, 0.4060, 0.4008

Tritanomaly

29.4625, 0.3697, 0.3466

Monochromacy



Original Color

29.5316, 0.4019, 0.4032

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2582, 0.3436, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5316, 0.4019, 0.4032 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(175, 143, 92)` looks like.

```
.text, #text, p{  
    color:rgb(175, 143, 92)  
}
```

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(175, 143, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 143, 92) }
```

Border

The CSS property to change the border of an element to Yxy 29.5316, 0.4019, 0.4032 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(175, 143, 92) }
```

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

```
.border{ border-color:rgb(175, 143, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 143, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 143, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 143, 92);  
box-shadow:4px 4px 4px 4px rgb(175, 143,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5316, 0.4019, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 143, 92) }
```

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

```
.background{ background-color: rgb(175,  
143, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor