

Converting Colors

$Y_{xy}(28.2735, 0.4372, 0.4475)$

Have a look what the booklet for
Yxy(28.2735, 0.4372, 0.4475)
contains.

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Color

Yxy(28.2964, 0.4370, 0.4481)

Conversions

Conversions Part 1

Format	Color
Hex	AE8D34
RGB	174, 141, 52
RGB Percent	68%, 55%, 20%
CMY	0.3178, 0.4470, 0.7961
CMYK	0.00, 0.19, 0.70, 0.32
HSL	44°, 54%, 44%
HSV	44°, 70%, 68%
XYZ	27.5955, 28.2964, 7.2556
YIQ	140.7210, 48.2370, -20.6830

Conversions

Conversions Part 2

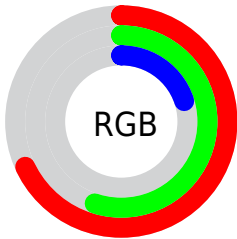
Format	Color
R_{YB}	97, 174, 52
Decimal	11439412
CIE _{Lab}	60.16, 2.83, 50.22
CIE _{LCh}	60, 50.298, 86.779
Yxy	28.2964, 0.4370, 0.4481
Android (android.graphics.Color)	4289629492 (0xFFAE8D34)
YUV	140.7210, -43.7395, 29.1857
Hunter-Lab	53.1944, -0.4903, 29.1490

Details

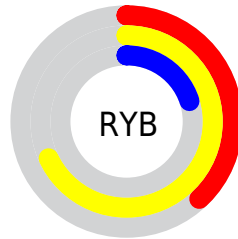
The Yxy color **28.2964, 0.4370, 0.4481** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.2745, 0.1923, 0.1607**, and the grayscale version is **26.6812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7187, 0.4149, 0.4277**, and **11.3337, 0.4644, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **26.8117, 0.4528, 0.4564**, and if you desaturate by 10%, it is **29.9004, 0.4193, 0.4357**.

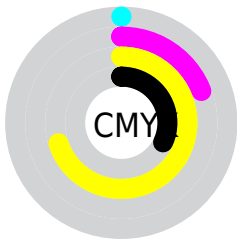
Distribution



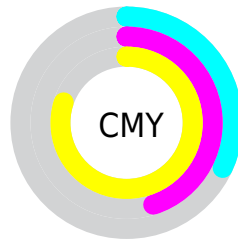
- Red (68%)
- Green (55%)
- Blue (20%)



- Red (38%)
- Yellow (68%)
- Blue (20%)



- Cyan (0%)
- Magenta (19%)
- Yellow (70%)
- Black (32%)





- Cyan (32%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2964, 0.4370, 0.4481 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 28.2964, 0.4370, 0.4481 by changing the saturation by 10% instead.


 28.2964, 0.4370,
0.4481


 28.2964, 0.4370,
0.4481


293.8805, 0.3739,
0.3887

 18.5492, 0.4512,
0.4608


 56.9573, 0.4147,
0.4276


 11.3450, 0.4674,
0.4749


 76.6398, 0.4061,
0.4194


 6.2994, 0.4930,
0.4972


 100.4029, 0.3987,
0.4124

 3.0280, 0.5008,
0.4992

 128.6309, 0.3923,
0.4064

 1.1464, 0.5059,
0.4941

 161.7083, 0.3868,
0.4011

 0.0172, 0.8321,
0.1679

 200.0194, 0.3819,

 0.0000, 0.0000,

0.3965

0.0000

243.9487, 0.3777,
0.3924

■ 28.2964, 0.4370,
0.4481

■ 28.2964, 0.4370,
0.4481

■ 26.8117, 0.4528,
0.4564

■ 29.9004, 0.4193,
0.4357

■ 25.4349, 0.4659,
0.4601

■ 31.6261, 0.4005,
0.4203

■ 24.1656, 0.4764,
0.4599

■ 33.4804, 0.3814,
0.4028

■ 35.4687, 0.3627,
0.3843

■ 37.5956, 0.3448,
0.3654

■ 39.8658, 0.3282,
0.3469

■ 42.2834, 0.3129,
0.3292

■ 44.8523, 0.2990,
0.3124

■ 47.5765, 0.2864,
0.2968

Harmonies

Analogous

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



28.2964, 0.4743, 0.3918



28.2964, 0.4370, 0.4481



28.2964, 0.3692, 0.4814

Triad

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



28.2964, 0.4370, 0.4481



28.2964, 0.1816, 0.2970



28.2964, 0.3179, 0.2329

Complementary

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



28.2964, 0.4370, 0.4481



10.2745, 0.1923, 0.1607

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.



28.2964, 0.2423, 0.2086



28.2964, 0.4370, 0.4481



28.2964, 0.1724, 0.2360

Square

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



28.2964, 0.4370, 0.4481



28.2964, 0.2223, 0.3850



28.2964, 0.1928, 0.2082



28.2964, 0.4027, 0.2764

Rectangle

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



28.2964, 0.4370, 0.4481



28.2964, 0.3168, 0.4754



28.2964, 0.1928, 0.2082



28.2964, 0.2904, 0.2224

Sweetspot

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



28.2978, 0.4370, 0.4481



67.7195, 0.3470, 0.3678



12.1321, 0.4773, 0.2841



14.8160, 0.3518, 0.3729



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.



28.2978, 0.4370, 0.4481



47.2848, 0.4602, 0.4590



36.7621, 0.3792, 0.5000



8.9586, 0.3269, 0.3455



17.6358, 0.4757, 0.4605



0.5747, 0.4552, 0.4767

Inverse Universe

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



10.2745, 0.1923, 0.1607



12.8737, 0.1719, 0.1225



7.1485, 0.2008, 0.1192



8.0962, 0.2986, 0.3120



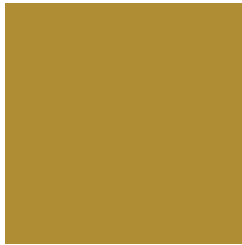
3.7782, 0.1599, 0.0956



0.1963, 0.1769, 0.1568

Previews

White Background



This preview shows how the Yxy color 28.2964, 0.4370, 0.4481 looks on a white background.

Color Contrast Check

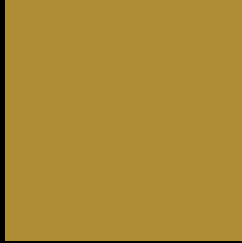
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2964, 0.4370, 0.4481 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 28.2964, 0.4370, 0.4481

Background



This preview shows how black text looks on a background with the Yxy color 28.2964, 0.4370, 0.4481.



This preview shows how white text looks on a background with the Yxy color 28.2964, 0.4370, 0.4481.

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

28.2964, 0.4370, 0.4481

Protanopia

28.1892, 0.4186, 0.4598

Deuteranopia

28.2578, 0.4474, 0.4391



Tritanopia

28.2793, 0.3584, 0.3148

Trichromacy



Original Color

28.2964, 0.4370, 0.4481

Protanomaly

28.3106, 0.4242, 0.4559

Deuteranomaly

28.1873, 0.4430, 0.4422

Tritanomaly

27.8971, 0.3921, 0.3672

Monochromacy



Original Color

28.2964, 0.4370, 0.4481

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.9262, 0.3597, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2964, 0.4370, 0.4481 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(174, 141, 52)` looks like.

```
.text, #text, p{  
    color:rgb(174, 141, 52)  
}
```

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(174, 141, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 141, 52) }
```

Border

The CSS property to change the border of an element to Yxy 28.2964, 0.4370, 0.4481 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(174, 141, 52) }
```

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

```
.border{ border-color:rgb(174, 141, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 141, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 141, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 141, 52);  
box-shadow:4px 4px 4px 4px rgb(174, 141,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2964, 0.4370, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 141, 52) }
```

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

```
.background{ background-color: rgb(174,  
141, 52) }
```

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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