

Converting Colors

$Yxy(29.8962, 0.3411, 0.3363)$

Have a look what the booklet for
Yxy(29.8962, 0.3411, 0.3363)
contains.

Yxy(29.9176, 0.3416, 0.3366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9176, 0.3416, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	A6908B
RGB	166, 144, 139
RGB Percent	65%, 56%, 55%
CMY	0.3490, 0.4353, 0.4549
CMYK	0.00, 0.13, 0.16, 0.35
HSL	11°, 13%, 60%
HSV	11°, 16%, 65%
XYZ	30.3620, 29.9176, 28.6021
YIQ	150.0080, 14.7170, 3.1090

Conversions

Conversions Part 2

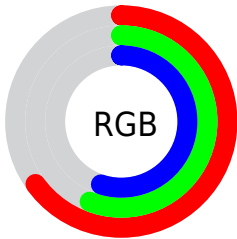
Format	Color
R_{YB}	166, 145, 139
Decimal	10915979
CIE Lab	61.58, 7.39, 5.68
CIE LCh	62, 9.315, 37.537
Yxy	29.9176, 0.3416, 0.3366
Android (android.graphics.Color)	4289106059 (0xFFA6908B)
YUV	150.0080, -5.4269, 14.0250
Hunter-Lab	54.6970, 3.3647, 7.2840

Details

The Yxy color $29.9176, 0.3416, 0.3366$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $33.7410, 0.2883, 0.3213$, and the grayscale version is $30.5230, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5661, 0.3357, 0.3359$, and $12.3041, 0.3520, 0.3399$ is the 20% darker color. If you saturate the color by 10%, you get $25.6133, 0.3643, 0.3416$, and if you desaturate by 10%, it is $34.7898, 0.3228, 0.3318$.

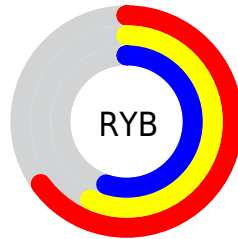
Distribution



Red (65%)

Green (56%)

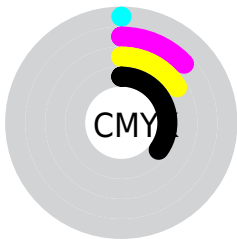
Blue (55%)



Red (65%)

Yellow (57%)

Blue (55%)

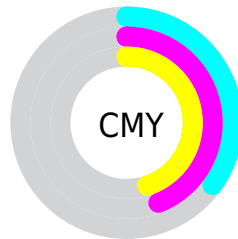


Cyan (0%)

Magenta (13%)

Yellow (16%)

Black (35%)



Cyan (35%)


Magenta (44%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9176, 0.3416, 0.3366 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 29.9176, 0.3416, 0.3366 by changing the saturation by 10% instead.


 29.9176, 0.3416,
0.3366

 29.9176, 0.3416,
0.3366


301.5202, 0.3260,
0.3327


 19.7761, 0.3459,
0.3376


 59.5318, 0.3356,
0.3351

 12.2324, 0.3518,
0.3389


 79.7733, 0.3335,
0.3346

 6.9021, 0.3601,
0.3407


 104.1502, 0.3317,
0.3342

 3.4010, 0.3729,
0.3432

133.0470, 0.3302,
0.3338

 1.3445, 0.3951,
0.3469

166.8480, 0.3289,
0.3334

 0.1753, 0.6644,
0.3356

205.9376, 0.3278,

 0.0000, 0.0000,

0.3332

0.0000

250.7002, 0.3269,
0.3329

■ 29.9176, 0.3416,
0.3366

■ 29.9176, 0.3416,
0.3366

■ 25.6133, 0.3643,
0.3416

■ 34.7898, 0.3228,
0.3318

■ 21.8521, 0.3915,
0.3467

■ 40.2453, 0.3073,
0.3274

■ 18.6136, 0.4236,
0.3515

■ 46.3040, 0.2944,
0.3233

■ 15.8744, 0.4605,
0.3555

■ 52.9838, 0.2837,
0.3196

■ 13.6093, 0.5010,
0.3579

■ 60.3017, 0.2747,
0.3163

■ 11.7909, 0.5423,
0.3579

■ 68.2740, 0.2671,
0.3132

■ 10.3889, 0.5801,
0.3547

■ 76.9026, 0.2609,
0.3107

■ 9.3681, 0.6097,
0.3486

■ 85.1135, 0.2629,
0.3259

■ 9.0725, 0.6192,
0.3465

■ 86.8487, 0.2633,
0.3289

Harmonies

Analogous

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



29.9176, 0.3337, 0.3236



29.9176, 0.3416, 0.3366



29.9176, 0.3415, 0.3481

Triad

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



29.9176, 0.3416, 0.3366



29.9176, 0.3049, 0.3468



29.9176, 0.2920, 0.3038

Complementary

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



29.9176, 0.3416, 0.3366



33.7410, 0.2883, 0.3213

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.



29.9176, 0.2847, 0.3093



29.9176, 0.3416, 0.3366



29.9176, 0.2920, 0.3341

Square

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



29.9176, 0.3416, 0.3366



29.9176, 0.3200, 0.3545



29.9176, 0.2847, 0.3203



29.9176, 0.3049, 0.3050

Rectangle

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



29.9176, 0.3416, 0.3366



29.9176, 0.3370, 0.3532



29.9176, 0.2847, 0.3203



29.9176, 0.2888, 0.3049

Sweetspot

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



29.9189, 0.3416, 0.3366



64.2361, 0.3208, 0.3313



29.1510, 0.3195, 0.2966



14.2318, 0.3220, 0.3316



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.9189, 0.3416, 0.3366



50.9621, 0.3504, 0.3386



34.2438, 0.3385, 0.3564



7.7584, 0.3281, 0.3332



7.0861, 0.6178, 0.3476



0.2348, 0.5627, 0.3914

Inverse Universe

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



33.7410, 0.2883, 0.3213



59.3986, 0.2823, 0.3191



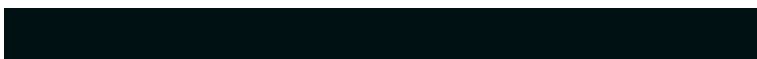
29.2848, 0.2874, 0.3001



8.2928, 0.2987, 0.3247



15.7032, 0.2083, 0.2699



0.4414, 0.2143, 0.2914

Previews

White Background



This preview shows how the Yxy color 29.9176, 0.3416, 0.3366 looks on a white background.

Color Contrast Check

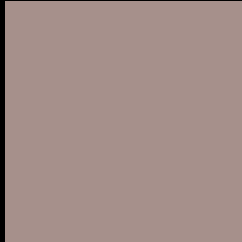
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9176, 0.3416, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

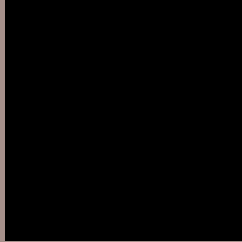
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9176, 0.3416, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 29.9176, 0.3416, 0.3366.



This preview shows how white text looks on a background with the Yxy color 29.9176, 0.3416, 0.3366.

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

29.9176, 0.3416, 0.3366

Protanopia

29.8752, 0.3247, 0.3400

Deuteranopia

30.0261, 0.3427, 0.3366



Tritanopia

29.9707, 0.3296, 0.3128

Trichromacy



Original Color

29.9176, 0.3416, 0.3366

Protanomaly

30.0300, 0.3312, 0.3398

Deuteranomaly

30.0261, 0.3427, 0.3366

Tritanomaly

29.9985, 0.3335, 0.3216

Monochromacy



Original Color

29.9176, 0.3416, 0.3366

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.3231, 0.3230, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9176, 0.3416, 0.3366 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(166, 144, 139)` looks like.

```
.text, #text, p{  
    color:rgb(166, 144, 139)  
}
```

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(166, 144, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 144, 139) }
```

Border

The CSS property to change the border of an element to Yxy 29.9176, 0.3416, 0.3366 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(166, 144, 139) }
```

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

```
.border{ border-color:rgb(166, 144, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 144, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 144, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 144, 139);  
box-shadow:4px 4px 4px 4px rgb(166, 144,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9176, 0.3416, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 144, 139) }
```

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

```
.background{ background-color: rgb(166,  
144, 139) }
```

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