

Converting Colors

$Y_{xy}(33.8513, 0.3136, 0.3034)$

Have a look what the booklet for
Yxy(33.8513, 0.3136, 0.3034)
contains.

Yxy(33.9048, 0.3139, 0.3036)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.9048, 0.3139, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	AA98AA
RGB	170, 152, 170
RGB Percent	67%, 60%, 67%
CMY	0.3334, 0.4039, 0.3334
CMYK	0.00, 0.11, 0.00, 0.33
HSL	300°, 10%, 63%
HSV	300°, 11%, 67%
XYZ	35.0551, 33.9048, 42.7160
YIQ	159.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

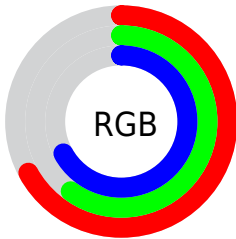
Format	Color
RYB	170, 152, 170
Decimal	11180202
CIELab	64.89, 9.92, -6.95
CIELCh	65, 12.112, 324.981
Yxy	33.9048, 0.3139, 0.3036
Android (android.graphics.Color)	4289370282 (0xFFAA98AA)
YUV	159.4340, 5.2090, 9.2664
Hunter-Lab	58.2278, 5.5642, -2.7358

Details

The Yxy color **33.9048, 0.3139, 0.3036** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6869, 0.3115, 0.3558**, and the grayscale version is **34.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5864, 0.3137, 0.3084**, and **14.4669, 0.3143, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **28.7767, 0.3150, 0.2790**, and if you desaturate by 10%, it is **39.8266, 0.3128, 0.3277**.

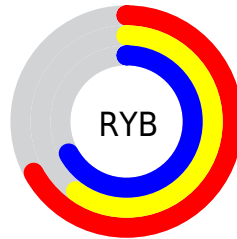
Distribution



Red (67%)

Green (60%)

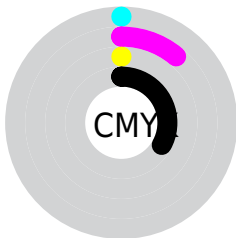
Blue (67%)



Red (67%)

Yellow (60%)

Blue (67%)

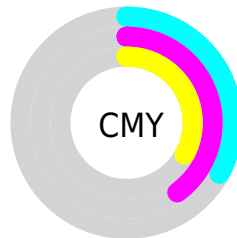


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (40%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9048, 0.3139, 0.3036 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 33.9048, 0.3139, 0.3036 by changing the saturation by 10% instead.


 33.9048, 0.3139,
0.3036


 33.9048, 0.3139,
0.3036


319.7074, 0.3134,
0.3167

 22.8205, 0.3140,
0.3002


 65.7856, 0.3137,
0.3085

 14.4610, 0.3141,
0.2957


 87.3509, 0.3137,
0.3103

 8.4420, 0.3142,
0.2895


113.1786, 0.3136,
0.3118

 4.3790, 0.3143,
0.2806

143.6531, 0.3135,
0.3131

 1.8878, 0.3142,
0.2665

179.1588, 0.3135,
0.3142

 0.5410, 0.3182,
0.2276

220.0802, 0.3135,

 0.0000, 0.0000,

0.3152

0.0000

266.8016, 0.3134,
0.3160

■ 33.9048, 0.3139,
0.3036

■ 33.9048, 0.3139,
0.3036

■ 28.7767, 0.3150,
0.2790

■ 39.8266, 0.3128,
0.3277

■ 24.4045, 0.3162,
0.2546

■ 46.5691, 0.3117,
0.3507

■ 20.7537, 0.3173,
0.2312

■ 54.1636, 0.3107,
0.3724

■ 17.7856, 0.3183,
0.2097

■ 62.6384, 0.3097,
0.3925

■ 15.4578, 0.3191,
0.1910

■ 72.0205, 0.3089,
0.4111

■ 13.7231, 0.3198,
0.1759

■ 82.3356, 0.3081,
0.4279

■ 12.5281, 0.3203,
0.1648

■ 82.9701, 0.3081,
0.4289

■ 11.8094, 0.3207,
0.1578

■ 82.9709, 0.3081,
0.4289

■ 11.4370, 0.3208,
0.1541

■ 82.9717, 0.3081,
0.4289

Harmonies

Analogous

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



33.9048, 0.2955, 0.2976



33.9048, 0.3139, 0.3036



33.9048, 0.3324, 0.3158

Triad

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



33.9048, 0.3139, 0.3036



33.9048, 0.3439, 0.3585



33.9048, 0.2807, 0.3250

Complementary

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



33.9048, 0.3139, 0.3036



37.6869, 0.3115, 0.3558

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.



33.9048, 0.2929, 0.3425



33.9048, 0.3139, 0.3036



33.9048, 0.3294, 0.3622

Square

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



33.9048, 0.3139, 0.3036



33.9048, 0.3500, 0.3471



33.9048, 0.3107, 0.3564



33.9048, 0.2768, 0.3093

Rectangle

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



33.9048, 0.3139, 0.3036



33.9048, 0.3422, 0.3261



33.9048, 0.3107, 0.3564



33.9048, 0.2839, 0.3309

Sweetspot

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



33.9063, 0.3139, 0.3036



69.4713, 0.3131, 0.3218



32.1377, 0.2965, 0.3027



15.2965, 0.3131, 0.3199



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.9063, 0.3139, 0.3036



58.9140, 0.3142, 0.2971



33.5894, 0.3221, 0.3157



7.6665, 0.3138, 0.3067



8.4156, 0.3208, 0.1541



0.2048, 0.3209, 0.1541

Inverse Universe

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



33.2734, 0.3310, 0.3290



57.5013, 0.3364, 0.3291



37.9812, 0.3043, 0.3427



7.5424, 0.3286, 0.3290



6.2867, 0.6400, 0.3299



0.1530, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 33.9048, 0.3139, 0.3036 looks on a white background.

Color Contrast Check

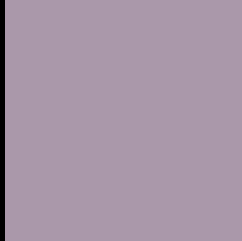
Large Text (above 18pt) WCAG AA × Fail

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 33.9048, 0.3139, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

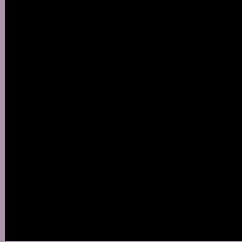
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9048, 0.3139, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 33.9048, 0.3139, 0.3036.



This preview shows how white text looks on a background with the Yxy color 33.9048, 0.3139, 0.3036.

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

33.9048, 0.3139, 0.3036

Protanopia

33.8620, 0.2977, 0.3042

Deuteranopia

33.9002, 0.3109, 0.3048



Tritanopia

33.9341, 0.3175, 0.3119

Trichromacy



Original Color

33.9048, 0.3139, 0.3036

Protanomaly

33.9983, 0.3033, 0.3045

Deuteranomaly

34.0096, 0.3119, 0.3048

Tritanomaly

34.0075, 0.3156, 0.3091

Monochromacy



Original Color

33.9048, 0.3139, 0.3036

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2078, 0.3132, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9048, 0.3139, 0.3036 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(170, 152, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 170)  
}
```

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(170, 152, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.9048, 0.3139, 0.3036 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(170, 152, 170) }
```

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

```
.border{ border-color:rgb(170, 152, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 152, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9048, 0.3139, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 152, 170) }
```

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

```
.background{ background-color: rgb(170,  
152, 170) }
```

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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