

Converting Colors

$Y_{xy}(34.4969, 0.2967, 0.3029)$

Have a look what the booklet for
Yxy(34.4969, 0.2967, 0.3029)
contains.

Yxy(34.3772, 0.2969, 0.3029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3772, 0.2969, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	9D9DAF
RGB	157, 157, 175
RGB Percent	62%, 62%, 69%
CMY	0.3844, 0.3843, 0.3137
CMYK	0.10, 0.10, 0.00, 0.31
HSL	240°, 10%, 65%
HSV	240°, 10%, 69%
XYZ	33.6962, 34.3772, 45.4201
YIQ	159.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

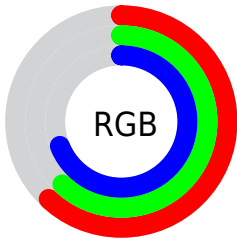
Format	Color
RYB	157, 157, 175
Decimal	10329519
CIELab	65.26, 3.61, -9.33
CIElCh	65, 10.008, 291.166
Yxy	34.3772, 0.2969, 0.3029
Android (android.graphics.Color)	4288519599 (0xFF9D9DAF)
YUV	159.0520, 7.8624, -1.7996
Hunter-Lab	58.6321, -0.0210, -4.8873

Details

The Yxy color $34.3772, 0.2969, 0.3029$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $42.1975, 0.3278, 0.3538$, and the grayscale version is $34.6607, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.8535, 0.3000, 0.3080$, and $14.8023, 0.2917, 0.2943$ is the 20% darker color. If you saturate the color by 10%, you get $27.2485, 0.2795, 0.2742$, and if you desaturate by 10%, it is $42.6059, 0.3123, 0.3283$.

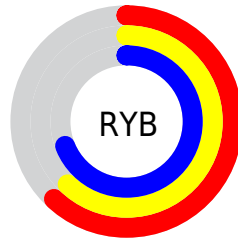
Distribution



Red (62%)

Green (62%)

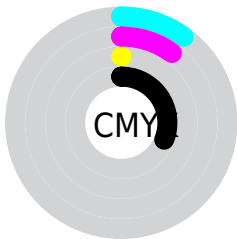
Blue (69%)



Red (62%)

Yellow (62%)

Blue (69%)

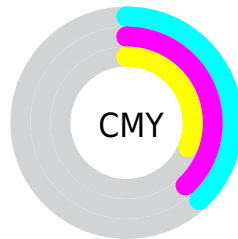


Cyan (10%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (38%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3772, 0.2969, 0.3029 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 34.3772, 0.2969, 0.3029 by changing the saturation by 10% instead.

■ 34.3772, 0.2969,
0.3029

■ 34.3772, 0.2969,
0.3029

■ 321.8107, 0.3052,
0.3165

■ 23.1835, 0.2947,
0.2993

■ 66.5198, 0.3000,
0.3080

■ 14.7291, 0.2917,
0.2947

■ 88.2375, 0.3012,
0.3098

■ 8.6295, 0.2876,
0.2882

■ 114.2321, 0.3021,
0.3114

■ 4.5003, 0.2816,
0.2789

■ 144.8878, 0.3029,
0.3127

■ 1.9572, 0.2717,
0.2641

■ 180.5892, 0.3036,
0.3138

■ 0.5824, 0.2519,
0.2286

■ 221.7205, 0.3042,

■ 0.0000, 0.0000,

0.3148

0.0000

268.6662, 0.3048,
0.3157

■ 34.3772, 0.2969,
0.3029

■ 34.3772, 0.2969,
0.3029

■ 27.2485, 0.2795,
0.2742

■ 42.6059, 0.3123,
0.3283

■ 21.1691, 0.2602,
0.2424

■ 51.9738, 0.3257,
0.3504

■ 16.0908, 0.2395,
0.2082

■ 62.5237, 0.3373,
0.3695

■ 11.9599, 0.2183,
0.1730

■ 74.2945, 0.3472,
0.3859

■ 8.7179, 0.1977,
0.1390

■ 87.3238, 0.3558,
0.4000

■ 6.2994, 0.1794,
0.1088

■ 95.8754, 0.3603,
0.4076

■ 4.6305, 0.1649,
0.0848

■ 3.6238, 0.1553,
0.0689

■ 3.1028, 0.1501,
0.0601

Harmonies

Analogous

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



34.3772, 0.2865, 0.3054



34.3772, 0.2969, 0.3029



34.3772, 0.3117, 0.3070

Triad

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



34.3772, 0.2969, 0.3029



34.3772, 0.3434, 0.3425



34.3772, 0.2981, 0.3418

Complementary

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



34.3772, 0.2969, 0.3029



42.1975, 0.3278, 0.3538

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.



34.3772, 0.3131, 0.3524



34.3772, 0.2969, 0.3029



34.3772, 0.3394, 0.3525

Square

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



34.3772, 0.2969, 0.3029



34.3772, 0.3389, 0.3295



34.3772, 0.3283, 0.3563



34.3772, 0.2872, 0.3277

Rectangle

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



34.3772, 0.2969, 0.3029



34.3772, 0.3222, 0.3129



34.3772, 0.3283, 0.3563



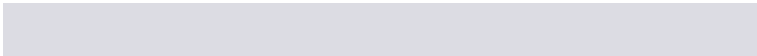
34.3772, 0.3028, 0.3459

Sweetspot

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



34.3786, 0.2969, 0.3029



72.0486, 0.3083, 0.3216



40.9121, 0.2974, 0.3294



15.7457, 0.3071, 0.3197



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.



34.3786, 0.2969, 0.3029



58.9850, 0.2937, 0.2977



35.2748, 0.3050, 0.3035



7.7596, 0.2985, 0.3056



2.2228, 0.1501, 0.0602



0.0626, 0.1503, 0.0608

Inverse Universe

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



35.6552, 0.3305, 0.3290



61.6592, 0.3343, 0.3290



41.2349, 0.3198, 0.3545



8.0156, 0.3286, 0.3290



6.5274, 0.6398, 0.3298



0.1817, 0.6386, 0.3292

Previews

White Background



This preview shows how the Yxy color 34.3772, 0.2969, 0.3029 looks on a white background.

Color Contrast Check

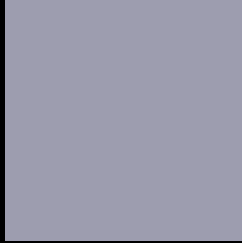
Large Text (above 18pt) WCAG AA × Fail

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 34.3772, 0.2969, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

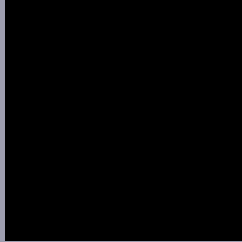
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

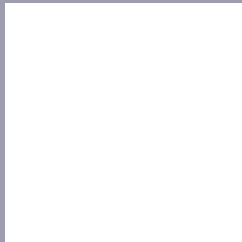
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3772, 0.2969, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 34.3772, 0.2969, 0.3029.



This preview shows how white text looks on a background with the Yxy color 34.3772, 0.2969, 0.3029.

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

34.3772, 0.2969, 0.3029

Protanopia

34.2770, 0.2960, 0.3028

Deuteranopia

34.3528, 0.3045, 0.2979



Tritanopia

34.4239, 0.3003, 0.3114

Trichromacy



Original Color

34.3772, 0.2969, 0.3029

Protanomaly

34.2770, 0.2960, 0.3028

Deuteranomaly

34.3638, 0.3017, 0.2991

Tritanomaly

34.5002, 0.2986, 0.3086

Monochromacy



Original Color

34.3772, 0.2969, 0.3029

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.4394, 0.3065, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3772, 0.2969, 0.3029 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(157, 157, 175)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 175)  
}
```

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(157, 157, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 175) }
```

Border

The CSS property to change the border of an element to Yxy 34.3772, 0.2969, 0.3029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

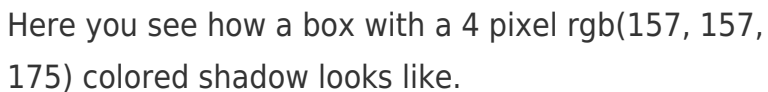
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 157, 175) }
```

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

```
.border{ border-color:rgb(157, 157, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 157, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 157, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 157, 175); box-shadow:4px 4px 4px 4px rgb(157, 157, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3772, 0.2969, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 175) }
```

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

```
.background{ background-color: rgb(157,  
157, 175) }
```

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