

Converting Colors

$Y_{xy}(40.0158, 0.2952, 0.3014)$

Have a look what the booklet for
Yxy(40.0158, 0.2952, 0.3014)
contains.

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Color

Yxy(39.8949, 0.2946, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	A7A8BD
RGB	167, 168, 189
RGB Percent	65%, 66%, 74%
CMY	0.3451, 0.3412, 0.2588
CMYK	0.12, 0.11, 0.00, 0.26
HSL	237°, 14%, 70%
HSV	237°, 12%, 74%
XYZ	39.1246, 39.8949, 53.7864
YIQ	170.0950, -7.3370, 6.3190

Conversions

Conversions Part 2

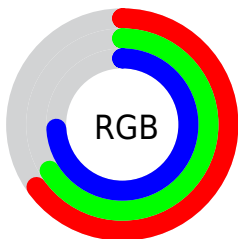
Format	Color
RYB	167, 168, 189
Decimal	10987709
CIELab	69.39, 3.86, -10.87
CIElCh	69, 11.534, 289.556
Yxy	39.8949, 0.2946, 0.3004
Android (android.graphics.Color)	4289177789 (0xFFA7A8BD)
YUV	170.0950, 9.3202, -2.7143
Hunter-Lab	63.1624, 0.0339, -6.2751

Details

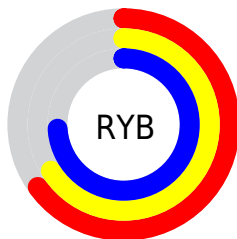
The Yxy color **39.8949, 0.2946, 0.3004** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.5781, 0.3300, 0.3561**, and the grayscale version is **40.2046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8975, 0.2981, 0.3058**, and **17.9132, 0.2888, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **31.7811, 0.2770, 0.2724**, and if you desaturate by 10%, it is **49.2368, 0.3103, 0.3252**.

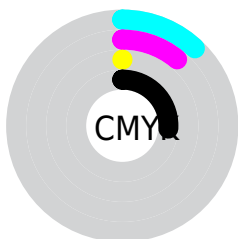
Distribution



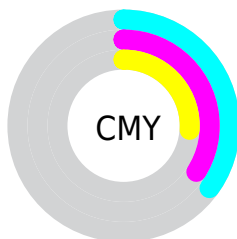
- Red (65%)
- Green (66%)
- Blue (74%)



- Red (65%)
- Yellow (66%)
- Blue (74%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (26%)



- Cyan (35%)
- Magenta (34%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8949, 0.2946, 0.3004 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 39.8949, 0.2946, 0.3004 by changing the saturation by 10% instead.

■ 39.8949, 0.2946,
0.3004

■ 39.8949, 0.2946,
0.3004

■ 345.6804, 0.3039,
0.3149

■ 27.4566, 0.2922,
0.2967

■ 75.0034, 0.2980,
0.3057

■ 17.9164, 0.2891,
0.2920

■ 98.4425, 0.2993,
0.3077

■ 10.8900, 0.2848,
0.2856

■ 126.3172, 0.3004,
0.3094

■ 5.9929, 0.2787,
0.2765

■ 159.0121, 0.3013,
0.3108

■ 2.8408, 0.2693,
0.2628

■ 196.9114, 0.3021,
0.3120

■ 1.0492, 0.2528,
0.2397

■ 240.3997, 0.3028,

■ 0.0000, 0.0426,

0.3131

0.0000

289.8612, 0.3034,
0.3141

0.0000, 0.0000,
0.0000

39.8949, 0.2946,
0.3004

39.8949, 0.2946,
0.3004

31.7811, 0.2770,
0.2724

49.2368, 0.3103,
0.3252

24.8396, 0.2576,
0.2414

59.8498, 0.3241,
0.3469

19.0178, 0.2371,
0.2082

71.7806, 0.3362,
0.3657

14.2570, 0.2161,
0.1740

85.0724, 0.3466,
0.3818

10.4931, 0.1961,
0.1408

96.4545, 0.3520,
0.3939

■ 7.6553, 0.1783,
0.1111

■ 5.6635, 0.1643,
0.0871

■ 4.4235, 0.1551,
0.0706

■ 3.8616, 0.1508,
0.0627

Harmonies

Analogous

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



39.8949, 0.2836, 0.3035



39.8949, 0.2946, 0.3004



39.8949, 0.3107, 0.3046

Triad

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



39.8949, 0.2946, 0.3004



39.8949, 0.3463, 0.3430



39.8949, 0.2975, 0.3438

Complementary

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



39.8949, 0.2946, 0.3004



49.5781, 0.3300, 0.3561

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.



39.8949, 0.3140, 0.3552



39.8949, 0.2946, 0.3004



39.8949, 0.3425, 0.3543

Square

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



39.8949, 0.2946, 0.3004



39.8949, 0.3409, 0.3287



39.8949, 0.3305, 0.3589



39.8949, 0.2853, 0.3284

Rectangle

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



39.8949, 0.2946, 0.3004



39.8949, 0.3222, 0.3108



39.8949, 0.3305, 0.3589



39.8949, 0.3027, 0.3483

Sweetspot

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



39.8966, 0.2946, 0.3004



85.6909, 0.3082, 0.3219



48.2409, 0.2959, 0.3304



18.1247, 0.3070, 0.3200



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.8966, 0.2946, 0.3004



67.4921, 0.2902, 0.2935



40.6477, 0.3032, 0.2998



9.2933, 0.2984, 0.3064



2.6286, 0.1510, 0.0634



0.1271, 0.1546, 0.0764

Inverse Universe

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



41.2845, 0.3324, 0.3277



70.4889, 0.3375, 0.3274



48.7848, 0.3214, 0.3581



9.5432, 0.3281, 0.3280



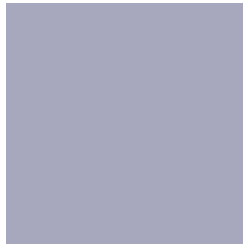
7.2950, 0.6343, 0.3268



0.2882, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 39.8949, 0.2946, 0.3004 looks on a white background.

Color Contrast Check

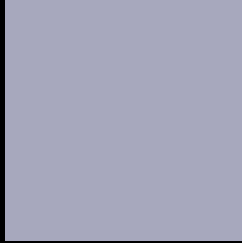
Large Text (above 18pt) WCAG AA × Fail

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 39.8949, 0.2946, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

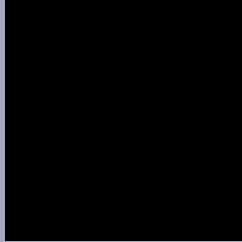
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

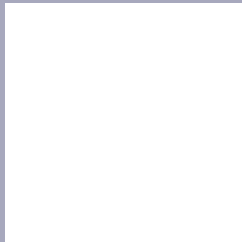
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8949, 0.2946, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 39.8949, 0.2946, 0.3004.



This preview shows how white text looks on a background with the Yxy color 39.8949, 0.2946, 0.3004.

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

39.8949, 0.2946, 0.3004

Protanopia

39.8949, 0.2946, 0.3004

Deuteranopia

39.8581, 0.3016, 0.2957



Tritanopia

39.8603, 0.2993, 0.3111

Trichromacy



Original Color

39.8949, 0.2946, 0.3004

Protanomaly

39.8949, 0.2946, 0.3004

Deuteranomaly

39.8744, 0.2990, 0.2968

Tritanomaly

39.9857, 0.2969, 0.3070

Monochromacy



Original Color

39.8949, 0.2946, 0.3004

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9853, 0.3060, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8949, 0.2946, 0.3004 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(167, 168, 189)` looks like.

```
.text, #text, p{  
    color:rgb(167, 168, 189)  
}
```

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(167, 168, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 168, 189) }
```

Border

The CSS property to change the border of an element to Yxy 39.8949, 0.2946, 0.3004 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(167, 168, 189) }
```

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

```
.border{ border-color:rgb(167, 168, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 168, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 168, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 168, 189);  
box-shadow:4px 4px 4px 4px rgb(167, 168,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8949, 0.2946, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 168, 189) }
```

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

```
.background{ background-color: rgb(167,  
168, 189) }
```

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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