

Converting Colors

$Y_{xy}(34.8040, 0.3026, 0.3006)$

Have a look what the booklet for
Yxy(34.8040, 0.3026, 0.3006)
contains.

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Color

Yxy(34.8040, 0.3026, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	A49CB0
RGB	164, 156, 176
RGB Percent	64%, 61%, 69%
CMY	0.3568, 0.3882, 0.3098
CMYK	0.07, 0.11, 0.00, 0.31
HSL	264°, 11%, 65%
HSV	264°, 11%, 69%
XYZ	35.0356, 34.8040, 45.9422
YIQ	160.6720, -1.6520, 7.9160

Conversions

Conversions Part 2

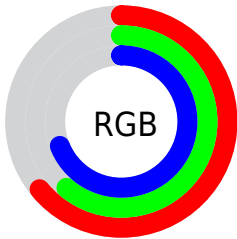
Format	Color
RYB	164, 156, 176
Decimal	10788016
CIELab	65.60, 6.80, -9.33
CIELCh	66, 11.540, 306.090
Yxy	34.8040, 0.3026, 0.3006
Android (android.graphics.Color)	4288978096 (0xFFA49CB0)
YUV	160.6720, 7.5567, 2.9187
Hunter-Lab	58.9949, 2.7655, -4.8756

Details

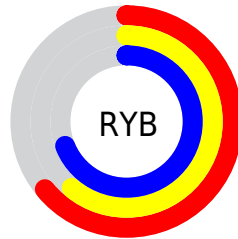
The Yxy color **34.8040, 0.3026, 0.3006** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.7722, 0.3220, 0.3571**, and the grayscale version is **35.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9795, 0.3044, 0.3051**, and **15.0031, 0.2983, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **28.2442, 0.2922, 0.2732**, and if you desaturate by 10%, it is **42.3157, 0.3116, 0.3258**.

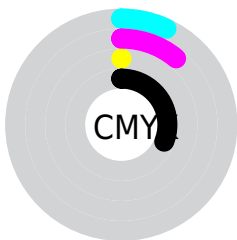
Distribution



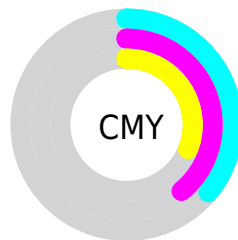
- Red (64%)
- Green (61%)
- Blue (69%)



- Red (64%)
- Yellow (61%)
- Blue (69%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8040, 0.3026, 0.3006 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 34.8040, 0.3026, 0.3006 by changing the saturation by 10% instead.

■ 34.8040, 0.3026,
0.3006

■ 34.8040, 0.3026,
0.3006

■ 323.7024, 0.3080,
0.3153

■ 23.5119, 0.3011,
0.2968

■ 67.1820, 0.3046,
0.3060

■ 14.9720, 0.2992,
0.2918

■ 89.0368, 0.3054,
0.3080

■ 8.7997, 0.2965,
0.2850

■ 115.1812, 0.3060,
0.3097

■ 4.6108, 0.2924,
0.2752

■ 145.9997, 0.3065,
0.3112

■ 2.0208, 0.2858,
0.2598

■ 181.8767, 0.3070,
0.3124

■ 0.6195, 0.2747,
0.2254

■ 223.1965, 0.3073,

■ 0.0000, 0.0000,

0.3135

0.0000

270.3436, 0.3077,
0.3144

■ 34.8040, 0.3026,
0.3006

■ 34.8040, 0.3026,
0.3006

■ 28.2442, 0.2922,
0.2732

■ 42.3157, 0.3116,
0.3258

■ 22.5929, 0.2803,
0.2439

■ 50.8115, 0.3193,
0.3485

■ 17.8100, 0.2671,
0.2135

■ 60.3275, 0.3258,
0.3690

■ 13.8506, 0.2527,
0.1829

■ 70.8965, 0.3312,
0.3872

■ 10.6656, 0.2376,
0.1536

■ 82.5501, 0.3358,
0.4033

■ 8.2004, 0.2224,
0.1273

■ 91.0356, 0.3409,
0.4118

■ 6.3930, 0.2079,
0.1054

■ 92.8072, 0.3480,
0.4098

■ 5.1704, 0.1948,
0.0893

■ 94.6857, 0.3552,
0.4079

■ 4.4550, 0.1849,
0.0792

■ 95.9144, 0.3597,
0.4067

Harmonies

Analogous

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



34.8040, 0.2877, 0.2996



34.8040, 0.3026, 0.3006



34.8040, 0.3206, 0.3087

Triad

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



34.8040, 0.3026, 0.3006



34.8040, 0.3469, 0.3508



34.8040, 0.2889, 0.3358

Complementary

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



34.8040, 0.3026, 0.3006



41.7722, 0.3220, 0.3571

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.



34.8040, 0.3042, 0.3507



34.8040, 0.3026, 0.3006



34.8040, 0.3378, 0.3592

Square

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



34.8040, 0.3026, 0.3006



34.8040, 0.3466, 0.3371



34.8040, 0.3221, 0.3594



34.8040, 0.2800, 0.3194

Rectangle

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



34.8040, 0.3026, 0.3006



34.8040, 0.3319, 0.3170



34.8040, 0.3221, 0.3594



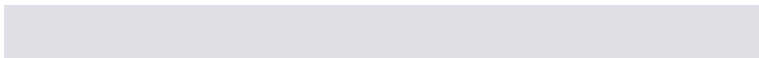
34.8040, 0.2935, 0.3412

Sweetspot

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



34.8055, 0.3026, 0.3006



74.3225, 0.3102, 0.3217



38.2068, 0.2954, 0.3175



15.8631, 0.3095, 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.



34.8055, 0.3026, 0.3006



59.5227, 0.2997, 0.2929



35.9100, 0.3121, 0.3014



8.3907, 0.3045, 0.3059



3.3011, 0.1860, 0.0798



0.1383, 0.2197, 0.0984

Inverse Universe

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



35.8336, 0.3213, 0.3124



61.8317, 0.3238, 0.3080



40.7181, 0.3131, 0.3579



8.5879, 0.3197, 0.3154



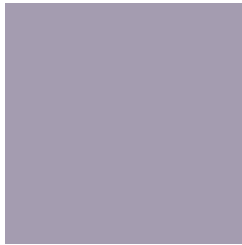
7.5400, 0.4519, 0.2263



0.2484, 0.4064, 0.2013

Previews

White Background



This preview shows how the Yxy color 34.8040, 0.3026, 0.3006 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 34.8040, 0.3026, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

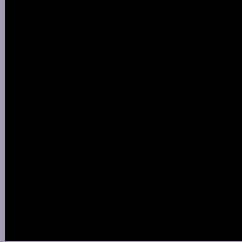
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

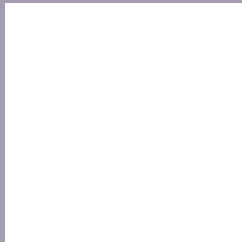
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8040, 0.3026, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 34.8040, 0.3026, 0.3006.



This preview shows how white text looks on a background with the Yxy color 34.8040, 0.3026, 0.3006.

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

34.8040, 0.3026, 0.3006

Protanopia

34.7961, 0.2953, 0.3016

Deuteranopia

34.7928, 0.3054, 0.2994



Tritanopia

34.7650, 0.3078, 0.3117

Trichromacy



Original Color

34.8040, 0.3026, 0.3006

Protanomaly

34.7618, 0.2980, 0.3003

Deuteranomaly

34.6843, 0.3045, 0.2993

Tritanomaly

34.8790, 0.3051, 0.3075

Monochromacy



Original Color

34.8040, 0.3026, 0.3006

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.2308, 0.3094, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8040, 0.3026, 0.3006 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(164, 156, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 156, 176)  
}
```

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(164, 156, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 156, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.8040, 0.3026, 0.3006 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(164, 156, 176) }
```

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

```
.border{ border-color:rgb(164, 156, 176) }
```

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

Here you see how a box with a 4 pixel rgb(164, 156, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 156, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 156, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 156,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8040, 0.3026, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 156, 176) }
```

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

```
.background{ background-color: rgb(164,  
156, 176) }
```

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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