

Converting Colors

$Y_{xy}(37.1099, 0.3028, 0.3026)$

Have a look what the booklet for
Yxy(37.1099, 0.3028, 0.3026)
contains.

Yxy(37.1099, 0.3028, 0.3026)	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(37.1099, 0.3028, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	A8A1B4
RGB	168, 161, 180
RGB Percent	66%, 63%, 71%
CMY	0.3411, 0.3686, 0.2941
CMYK	0.07, 0.11, 0.00, 0.29
HSL	262°, 11%, 67%
HSV	262°, 11%, 71%
XYZ	37.1344, 37.1099, 48.3925
YIQ	165.2590, -1.9270, 7.3930

Conversions

Conversions Part 2

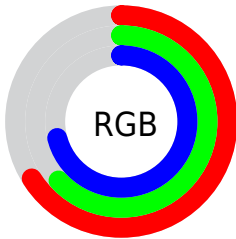
Format	Color
RYB	168, 161, 180
Decimal	11051444
CIELab	67.36, 6.22, -8.91
CIElCh	67, 10.861, 304.917
Yxy	37.1099, 0.3028, 0.3026
Android (android.graphics.Color)	4289241524 (0xFFA8A1B4)
YUV	165.2590, 7.2673, 2.4039
Hunter-Lab	60.9179, 2.2040, -4.4568

Details

The Yxy color **37.1099, 0.3028, 0.3026** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.1054, 0.3219, 0.3551**, and the grayscale version is **37.7245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8558, 0.3045, 0.3076**, and **16.3972, 0.2999, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **30.0732, 0.2919, 0.2752**, and if you desaturate by 10%, it is **45.1645, 0.3122, 0.3277**.

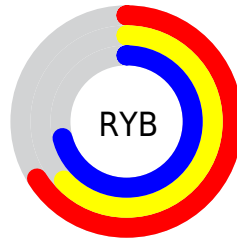
Distribution



Red (66%)

Green (63%)

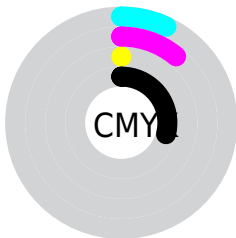
Blue (71%)



Red (66%)

Yellow (63%)

Blue (71%)

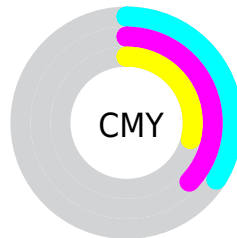


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (29%)



Cyan (34%)


Magenta (37%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1099, 0.3028, 0.3026 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 37.1099, 0.3028, 0.3026 by changing the saturation by 10% instead.


 37.1099, 0.3028,
0.3026


 37.1099, 0.3028,
0.3026


333.7861, 0.3080,
0.3161

 25.2926, 0.3014,
0.2991


 70.7418, 0.3048,
0.3076

 16.2952, 0.2996,
0.2946


 93.3251, 0.3055,
0.3094

 9.7333, 0.2970,
0.2885


120.2660, 0.3061,
0.3110

 5.2225, 0.2933,
0.2797

151.9487, 0.3066,
0.3123

 2.3784, 0.2873,
0.2662

188.7577, 0.3070,
0.3135

 0.8147, 0.2763,
0.2423

231.0773, 0.3074,

 0.0000, 0.0000,

0.3145

0.0000

279.2920, 0.3077,
0.3153

■ 37.1099, 0.3028,
0.3026

■ 37.1099, 0.3028,
0.3026

■ 30.0732, 0.2919,
0.2752

■ 45.1645, 0.3122,
0.3277

■ 24.0083, 0.2795,
0.2458

■ 54.2712, 0.3203,
0.3503

■ 18.8727, 0.2656,
0.2150

■ 64.4683, 0.3271,
0.3705

■ 14.6187, 0.2506,
0.1839

■ 75.7908, 0.3329,
0.3884

■ 11.1943, 0.2348,
0.1539

■ 88.2722, 0.3377,
0.4043

■ 8.5418, 0.2190,
0.1268

■ 92.6794, 0.3446,
0.4060

■ 6.5958, 0.2040,
0.1042

■ 94.6884, 0.3522,
0.4040

■ 5.2793, 0.1906,
0.0874

■ 96.0758, 0.3573,
0.4027

■ 4.4682, 0.1798,
0.0764

Harmonies

Analogous

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



37.1099, 0.2892, 0.3020



37.1099, 0.3028, 0.3026



37.1099, 0.3193, 0.3098

Triad

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



37.1099, 0.3028, 0.3026



37.1099, 0.3443, 0.3487



37.1099, 0.2913, 0.3359

Complementary

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



37.1099, 0.3028, 0.3026



44.1054, 0.3219, 0.3551

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.



37.1099, 0.3056, 0.3494



37.1099, 0.3028, 0.3026



37.1099, 0.3363, 0.3566

Square

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



37.1099, 0.3028, 0.3026



37.1099, 0.3437, 0.3360



37.1099, 0.3221, 0.3571



37.1099, 0.2827, 0.3207

Rectangle

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



37.1099, 0.3028, 0.3026



37.1099, 0.3298, 0.3175



37.1099, 0.3221, 0.3571



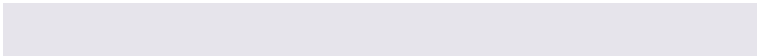
37.1099, 0.2955, 0.3408

Sweetspot

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



37.1115, 0.3028, 0.3026



78.0703, 0.3100, 0.3217



40.7759, 0.2966, 0.3192



16.6146, 0.3093, 0.3197



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.1115, 0.3028, 0.3026



63.7097, 0.3000, 0.2955



38.1886, 0.3115, 0.3033



8.3777, 0.3041, 0.3059



3.1533, 0.1810, 0.0771



0.1331, 0.2149, 0.0957

Inverse Universe

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



38.2114, 0.3201, 0.3128



66.1750, 0.3222, 0.3085



43.0643, 0.3136, 0.3557



8.5925, 0.3192, 0.3147



7.6272, 0.4393, 0.2194



0.2508, 0.3984, 0.1969

Previews

White Background



This preview shows how the Yxy color 37.1099, 0.3028, 0.3026 looks on a white background.

Color Contrast Check

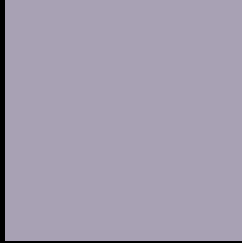
Large Text (above 18pt) WCAG AA × Fail

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 37.1099, 0.3028, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

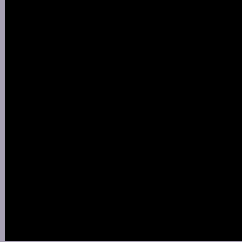
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

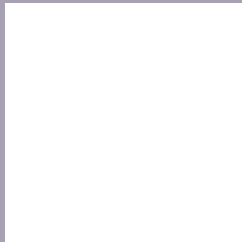
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1099, 0.3028, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 37.1099, 0.3028, 0.3026.



This preview shows how white text looks on a background with the Yxy color 37.1099, 0.3028, 0.3026.

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

37.1099, 0.3028, 0.3026

Protanopia

37.2120, 0.2966, 0.3037

Deuteranopia

36.8622, 0.3065, 0.3001



Tritanopia

37.1513, 0.3061, 0.3108

Trichromacy



Original Color

37.1099, 0.3028, 0.3026

Protanomaly

37.0694, 0.2983, 0.3024

Deuteranomaly

37.0948, 0.3056, 0.3014

Tritanomaly

37.2305, 0.3044, 0.3080

Monochromacy



Original Color

37.1099, 0.3028, 0.3026

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5602, 0.3094, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1099, 0.3028, 0.3026 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(168, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(168, 161, 180)  
}
```

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(168, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 161, 180) }
```

Border

The CSS property to change the border of an element to Yxy 37.1099, 0.3028, 0.3026 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(168, 161, 180) }
```

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

```
.border{ border-color:rgb(168, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(168, 161,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1099, 0.3028, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 161, 180) }
```

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

```
.background{ background-color: rgb(168,  
161, 180) }
```

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