

Converting Colors

$Y_{xy}(37.2071, 0.2979, 0.3244)$

Have a look what the booklet for
Yxy(37.2071, 0.2979, 0.3244)
contains.

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Color

Yxy(37.3120, 0.2976, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	99A7AA
RGB	153, 167, 170
RGB Percent	60%, 65%, 67%
CMY	0.4001, 0.3451, 0.3333
CMYK	0.10, 0.02, 0.00, 0.33
HSL	191°, 9%, 63%
HSV	191°, 10%, 67%
XYZ	34.2084, 37.3120, 43.4272
YIQ	163.1560, -9.3070, -2.0350

Conversions

Conversions Part 2

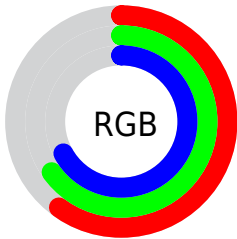
Format	Color
RYB	153, 161, 170
Decimal	10069930
CIELab	67.51, -4.30, -3.24
CIELCh	68, 5.380, 216.966
Yxy	37.3120, 0.2976, 0.3246
Android (android.graphics.Color)	4288260010 (0xFF99A7AA)
YUV	163.1560, 3.3741, -8.9068
Hunter-Lab	61.0835, -6.9315, 0.6064

Details

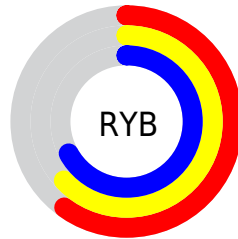
The Yxy color **37.3120, 0.2976, 0.3246** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6124, 0.3295, 0.3334**, and the grayscale version is **36.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9442, 0.3004, 0.3256**, and **16.3943, 0.2930, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **34.6943, 0.2828, 0.3198**, and if you desaturate by 10%, it is **40.1938, 0.3127, 0.3290**.

Distribution



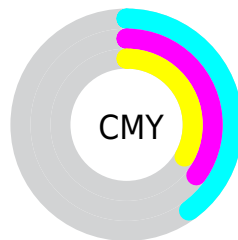
- Red (60%)
- Green (65%)
- Blue (67%)



- Red (60%)
- Yellow (63%)
- Blue (67%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3120, 0.2976, 0.3246 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 37.3120, 0.2976, 0.3246 by changing the saturation by 10% instead.

■ 37.3120, 0.2976,
0.3246

■ 37.3120, 0.2976,
0.3246

■ 334.6593, 0.3054,
0.3269

■ 25.4492, 0.2956,
0.3240

■ 71.0524, 0.3005,
0.3255

■ 16.4120, 0.2929,
0.3231

■ 93.6987, 0.3016,
0.3258

■ 9.8162, 0.2892,
0.3220

■ 120.7083, 0.3025,
0.3261

■ 5.2772, 0.2839,
0.3203

■ 152.4656, 0.3032,
0.3263

■ 2.4108, 0.2756,
0.3174

■ 189.3549, 0.3039,
0.3265

■ 0.8315, 0.2578,
0.3128

■ 231.7607, 0.3045,

■ 0.0000, 0.0000,

0.3267

0.0000

280.0674, 0.3050,
0.3268

■ 37.3120, 0.2976,
0.3246

■ 37.3120, 0.2976,
0.3246

■ 34.6943, 0.2828,
0.3198

■ 40.1938, 0.3127,
0.3290

■ 32.3258, 0.2687,
0.3146

■ 43.3444, 0.3279,
0.3330

■ 30.1974, 0.2555,
0.3091

■ 46.7744, 0.3430,
0.3365

■ 28.2974, 0.2436,
0.3032

■ 50.4924, 0.3578,
0.3397

■ 26.6131, 0.2331,
0.2972

■ 54.5065, 0.3721,
0.3425

■ 25.1304, 0.2244,
0.2910

■ 58.8245, 0.3859,
0.3449

■ 23.8334, 0.2175,
0.2847

■ 60.0898, 0.3849,
0.3480

■ 22.7031, 0.2125,
0.2785

■ 61.3779, 0.3838,
0.3511

■ 21.6993, 0.2090,
0.2723

■ 62.6926, 0.3828,
0.3542

Harmonies

Analogous

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



37.3120, 0.3017, 0.3320



37.3120, 0.2976, 0.3246



37.3120, 0.2975, 0.3186

Triad

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



37.3120, 0.2976, 0.3246



37.3120, 0.3166, 0.3197



37.3120, 0.3240, 0.3428

Complementary

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



37.3120, 0.2976, 0.3246



34.6124, 0.3295, 0.3334

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.



37.3120, 0.3282, 0.3393



37.3120, 0.2976, 0.3246



37.3120, 0.3238, 0.3260

Square

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



37.3120, 0.2976, 0.3246



37.3120, 0.3084, 0.3159



37.3120, 0.3281, 0.3331



37.3120, 0.3169, 0.3426

Rectangle

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



37.3120, 0.2976, 0.3246



37.3120, 0.2997, 0.3161



37.3120, 0.3281, 0.3331



37.3120, 0.3258, 0.3420

Sweetspot

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



37.3136, 0.2976, 0.3246



71.2871, 0.3081, 0.3277



37.9132, 0.3092, 0.3500



15.8034, 0.3069, 0.3274



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.



37.3136, 0.2976, 0.3246



66.6140, 0.2943, 0.3236



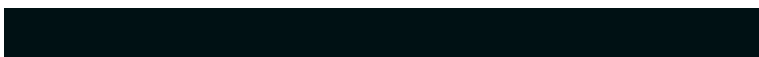
34.3505, 0.2975, 0.3122



8.3046, 0.2987, 0.3249



16.0353, 0.2092, 0.2730



0.4472, 0.2148, 0.2934

Inverse Universe

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



34.1130, 0.3166, 0.3091



59.6572, 0.3175, 0.3046



37.5128, 0.3282, 0.3452



7.6437, 0.3163, 0.3106



7.6898, 0.3700, 0.1812



0.1929, 0.3513, 0.1709

Previews

White Background



This preview shows how the Yxy color 37.3120, 0.2976, 0.3246 looks on a white background.

Color Contrast Check

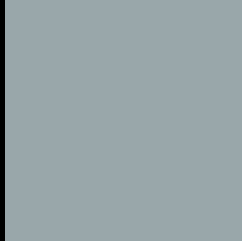
Large Text (above 18pt) WCAG AA × Fail

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 37.3120, 0.2976, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

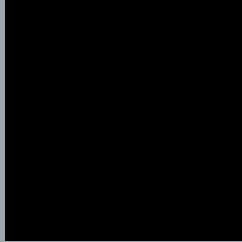
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

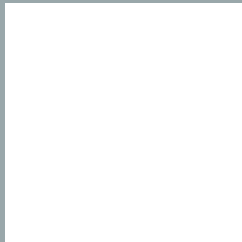
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3120, 0.2976, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 37.3120, 0.2976, 0.3246.



This preview shows how white text looks on a background with the Yxy color 37.3120, 0.2976, 0.3246.

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

37.3120, 0.2976, 0.3246

Protanopia

37.1285, 0.3112, 0.3219

Deuteranopia

37.1219, 0.3183, 0.3112



Tritanopia

37.4957, 0.2921, 0.3104

Trichromacy



Original Color

37.3120, 0.2976, 0.3246

Protanomaly

36.9926, 0.3056, 0.3218

Deuteranomaly

37.1058, 0.3105, 0.3163

Tritanomaly

37.2771, 0.2936, 0.3145

Monochromacy



Original Color

37.3120, 0.2976, 0.3246

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6750, 0.3064, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3120, 0.2976, 0.3246 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(153, 167, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 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(153, 167, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 170) }
```

Border

The CSS property to change the border of an element to Yxy 37.3120, 0.2976, 0.3246 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(153, 167, 170) }
```

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

```
.border{ border-color:rgb(153, 167, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 167, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 167, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 167, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 167,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3120, 0.2976, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 170) }
```

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

```
.background{ background-color: rgb(153,  
167, 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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