

Converting Colors

$Y_{xy}(37.9237, 0.2996, 0.3204)$

Have a look what the booklet for
Yxy(37.9237, 0.2996, 0.3204)
contains.

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Color

Yxy(37.9237, 0.2996, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	9EA7AD
RGB	158, 167, 173
RGB Percent	62%, 65%, 68%
CMY	0.3804, 0.3451, 0.3216
CMYK	0.09, 0.03, 0.00, 0.32
HSL	204°, 8%, 65%
HSV	204°, 9%, 68%
XYZ	35.4617, 37.9237, 44.9782
YIQ	164.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

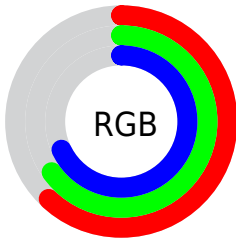
Format	Color
R _Y B	158, 164, 173
Decimal	10397613
CIE Lab	67.96, -1.96, -4.19
CIE LCh	68, 4.623, 244.861
Yxy	37.9237, 0.2996, 0.3204
Android (android.graphics.Color)	4288587693 (0xFF9EA7AD)
YUV	164.9930, 3.9475, -6.1329
Hunter-Lab	61.5822, -4.9808, -0.1964

Details

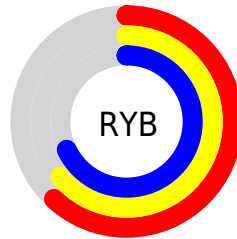
The Yxy color **37.9237, 0.2996, 0.3204** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8983, 0.3266, 0.3375**, and the grayscale version is **37.6075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9901, 0.3026, 0.3224**, and **16.7677, 0.2957, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **33.8287, 0.2842, 0.3095**, and if you desaturate by 10%, it is **42.4041, 0.3147, 0.3303**.

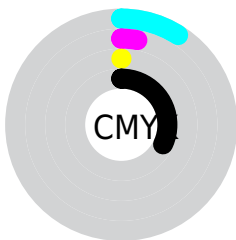
Distribution



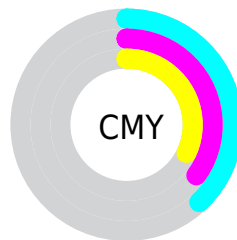
- Red (62%)
- Green (65%)
- Blue (68%)



- Red (62%)
- Yellow (64%)
- Blue (68%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)



- Cyan (38%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9237, 0.2996, 0.3204 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 37.9237, 0.2996, 0.3204 by changing the saturation by 10% instead.

■ 37.9237, 0.2996,
0.3204

■ 37.9237, 0.2996,
0.3204

■ 337.2926, 0.3064,
0.3249

■ 25.9235, 0.2978,
0.3192

■ 71.9912, 0.3021,
0.3221

■ 16.7664, 0.2955,
0.3177

■ 94.8272, 0.3030,
0.3227

■ 10.0681, 0.2924,
0.3156

■ 122.0440, 0.3038,
0.3232

■ 5.4441, 0.2878,
0.3124

■ 154.0259, 0.3045,
0.3236

■ 2.5101, 0.2807,
0.3075

■ 191.1573, 0.3050,
0.3240

■ 0.8817, 0.2675,
0.2985

■ 233.8226, 0.3055,

■ 0.0000, 0.0000,

0.3243

0.0000

282.4062, 0.3060,
0.3246

■ 37.9237, 0.2996,
0.3204

■ 37.9237, 0.2996,
0.3204

■ 33.8287, 0.2842,
0.3095

■ 42.4041, 0.3147,
0.3303

■ 30.1019, 0.2687,
0.2975

■ 47.2767, 0.3293,
0.3391

■ 26.7317, 0.2535,
0.2844

■ 52.5543, 0.3433,
0.3469

■ 23.7043, 0.2388,
0.2705

■ 58.2476, 0.3566,
0.3538

■ 21.0043, 0.2252,
0.2558

■ 64.3667, 0.3692,
0.3598

■ 18.6152, 0.2130,
0.2407

■ 69.6092, 0.3755,
0.3659

■ 16.5183, 0.2027,
0.2253

■ 73.0612, 0.3733,
0.3727

■ 14.6923, 0.1943,
0.2101

■ 76.6618, 0.3711,
0.3795

■ 13.1004, 0.1879,
0.1952

■ 80.4129, 0.3690,
0.3861

Harmonies

Analogous

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



37.9237, 0.2999, 0.3257



37.9237, 0.2996, 0.3204



37.9237, 0.3027, 0.3175

Triad

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



37.9237, 0.2996, 0.3204



37.9237, 0.3219, 0.3260



37.9237, 0.3168, 0.3407

Complementary

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



37.9237, 0.2996, 0.3204



37.8983, 0.3266, 0.3375

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.



37.9237, 0.3227, 0.3407



37.9237, 0.2996, 0.3204



37.9237, 0.3257, 0.3321

Square

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



37.9237, 0.2996, 0.3204



37.9237, 0.3156, 0.3208



37.9237, 0.3260, 0.3375



37.9237, 0.3098, 0.3375

Rectangle

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



37.9237, 0.2996, 0.3204



37.9237, 0.3064, 0.3172



37.9237, 0.3260, 0.3375



37.9237, 0.3190, 0.3410

Sweetspot

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



37.9253, 0.2996, 0.3204



72.3473, 0.3081, 0.3261



39.8227, 0.3070, 0.3423



15.5845, 0.3069, 0.3253



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.



37.9253, 0.2996, 0.3204



66.7792, 0.2973, 0.3188



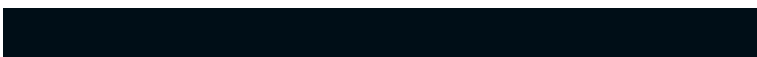
35.3430, 0.2996, 0.3099



8.5271, 0.2986, 0.3197



9.5913, 0.1875, 0.1948



0.3700, 0.2000, 0.2400

Inverse Universe

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



36.1289, 0.3191, 0.3164



63.0625, 0.3203, 0.3142



40.5673, 0.3256, 0.3475



8.0931, 0.3196, 0.3155



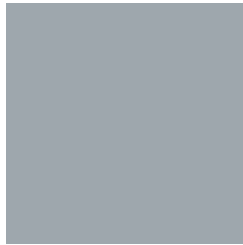
7.2713, 0.4512, 0.2259



0.2127, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 37.9237, 0.2996, 0.3204 looks on a white background.

Color Contrast Check

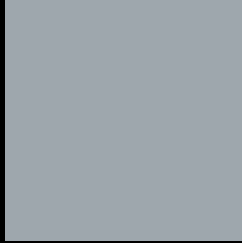
Large Text (above 18pt) WCAG AA × Fail

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 37.9237, 0.2996, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

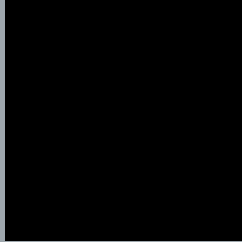
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

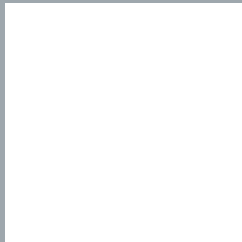
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9237, 0.2996, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 37.9237, 0.2996, 0.3204.



This preview shows how white text looks on a background with the Yxy color 37.9237, 0.2996, 0.3204.

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

37.9237, 0.2996, 0.3204

Protanopia

38.1043, 0.3086, 0.3192

Deuteranopia

37.8928, 0.3164, 0.3113



Tritanopia

37.8980, 0.2956, 0.3106

Trichromacy



Original Color

37.9237, 0.2996, 0.3204

Protanomaly

38.1435, 0.3058, 0.3205

Deuteranomaly

37.7964, 0.3097, 0.3137

Tritanomaly

37.8177, 0.2972, 0.3133

Monochromacy



Original Color

37.9237, 0.2996, 0.3204

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7810, 0.3073, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9237, 0.2996, 0.3204 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(158, 167, 173)` looks like.

```
.text, #text, p{  
    color:rgb(158, 167, 173)  
}
```

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(158, 167, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 173) }
```

Border

The CSS property to change the border of an element to Yxy 37.9237, 0.2996, 0.3204 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(158, 167, 173) }
```

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

```
.border{ border-color:rgb(158, 167, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 167, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 167, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 167, 173);  
box-shadow:4px 4px 4px 4px rgb(158, 167,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9237, 0.2996, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 173) }
```

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

```
.background{ background-color: rgb(158,  
167, 173) }
```

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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