

Converting Colors

$Y_{xy}(37.6775, 0.2968, 0.3161)$

Have a look what the booklet for
Yxy(37.6775, 0.2968, 0.3161)
contains.

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Color

Yxy(37.5357, 0.2971, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	9DA6AF
RGB	157, 166, 175
RGB Percent	62%, 65%, 69%
CMY	0.3842, 0.3490, 0.3138
CMYK	0.10, 0.05, 0.00, 0.31
HSL	210°, 10%, 65%
HSV	210°, 10%, 69%
XYZ	35.2795, 37.5357, 45.9311
YIQ	164.3350, -8.2530, 0.8910

Conversions

Conversions Part 2

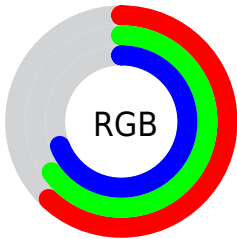
Format	Color
R _Y B	157, 163, 175
Decimal	10331823
CIE Lab	67.68, -1.34, -5.72
CIE LCh	68, 5.880, 256.798
Yxy	37.5357, 0.2971, 0.3161
Android (android.graphics.Color)	4288521903 (0xFF9DA6AF)
YUV	164.3350, 5.2578, -6.4328
Hunter-Lab	61.2664, -4.4291, -1.5629

Details

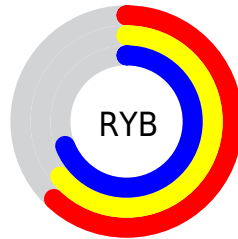
The Yxy color **37.5357, 0.2971, 0.3161** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8174, 0.3291, 0.3416**, and the grayscale version is **37.2712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4795, 0.3000, 0.3180**, and **16.5289, 0.2922, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **32.8286, 0.2813, 0.3021**, and if you desaturate by 10%, it is **42.7143, 0.3123, 0.3287**.

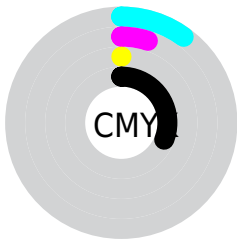
Distribution



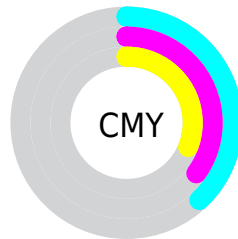
- Red (62%)
- Green (65%)
- Blue (69%)



- Red (62%)
- Yellow (64%)
- Blue (69%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5357, 0.2971, 0.3161 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 37.5357, 0.2971, 0.3161 by changing the saturation by 10% instead.

■ 37.5357, 0.2971,
0.3161

■ 37.5357, 0.2971,
0.3161

335.6240, 0.3052,
0.3228

■ 25.6225, 0.2950,
0.3143

■ 71.3959, 0.3001,
0.3186

■ 16.5415, 0.2922,
0.3120

■ 94.1118, 0.3012,
0.3195

■ 9.9081, 0.2885,
0.3089

121.1973, 0.3021,
0.3203

■ 5.3381, 0.2830,
0.3042

153.0369, 0.3029,
0.3209

■ 2.4470, 0.2744,
0.2969

190.0150, 0.3036,
0.3215

■ 0.8499, 0.2585,
0.2835

232.5160, 0.3042,

■ 0.0000, 0.0000,

0.3220

0.0000

280.9242, 0.3047,
0.3224

■ 37.5357, 0.2971,
0.3161

■ 37.5357, 0.2971,
0.3161

■ 32.8286, 0.2813,
0.3021

■ 42.7143, 0.3123,
0.3287

■ 28.5733, 0.2652,
0.2867

■ 48.3739, 0.3268,
0.3399

■ 24.7557, 0.2491,
0.2699

■ 54.5295, 0.3405,
0.3498

■ 21.3588, 0.2334,
0.2520

■ 61.1940, 0.3533,
0.3585

■ 18.3643, 0.2186,
0.2331

■ 68.3800, 0.3652,
0.3662

■ 15.7526, 0.2052,
0.2139

■ 74.7461, 0.3709,
0.3738

■ 13.5013, 0.1937,
0.1946

■ 79.4161, 0.3682,
0.3822

■ 11.5851, 0.1845,
0.1759

■ 84.3291, 0.3656,
0.3905

■ 9.9942, 0.1774,
0.1585

■ 89.4889, 0.3631,
0.3985

Harmonies

Analogous

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



37.5357, 0.2957, 0.3218



37.5357, 0.2971, 0.3161



37.5357, 0.3026, 0.3139

Triad

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



37.5357, 0.2971, 0.3161



37.5357, 0.3268, 0.3282



37.5357, 0.3143, 0.3428

Complementary

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



37.5357, 0.2971, 0.3161



38.8174, 0.3291, 0.3416

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.



37.5357, 0.3228, 0.3444



37.5357, 0.2971, 0.3161



37.5357, 0.3300, 0.3359

Square

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



37.5357, 0.2971, 0.3161



37.5357, 0.3198, 0.3209



37.5357, 0.3285, 0.3418



37.5357, 0.3056, 0.3373

Rectangle

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



37.5357, 0.2971, 0.3161



37.5357, 0.3080, 0.3147



37.5357, 0.3285, 0.3418



37.5357, 0.3173, 0.3438

Sweetspot

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



37.5373, 0.2971, 0.3161



73.8490, 0.3081, 0.3253



40.5635, 0.3045, 0.3423



16.2465, 0.3069, 0.3243



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.



37.5373, 0.2971, 0.3161



65.5418, 0.2941, 0.3135



34.4864, 0.2970, 0.3034



8.3942, 0.2986, 0.3174



7.2822, 0.1779, 0.1605



0.3121, 0.1933, 0.2160

Inverse Universe

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



35.9852, 0.3221, 0.3165



62.3211, 0.3240, 0.3141



42.0813, 0.3277, 0.3534



8.0797, 0.3211, 0.3177



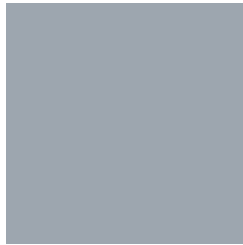
7.0382, 0.4925, 0.2487



0.2069, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 37.5357, 0.2971, 0.3161 looks on a white background.

Color Contrast Check

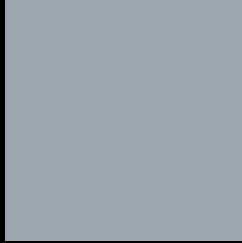
Large Text (above 18pt) WCAG AA × Fail

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 37.5357, 0.2971, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

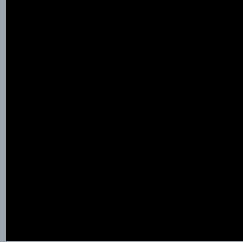
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

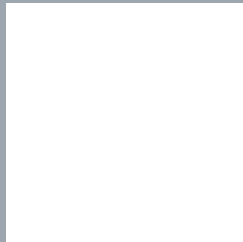
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5357, 0.2971, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 37.5357, 0.2971, 0.3161.



This preview shows how white text looks on a background with the Yxy color 37.5357, 0.2971, 0.3161.

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

37.5357, 0.2971, 0.3161

Protanopia

37.6062, 0.3051, 0.3149

Deuteranopia

37.3902, 0.3128, 0.3071



Tritanopia

37.4340, 0.2947, 0.3091

Trichromacy



Original Color

37.5357, 0.2971, 0.3161

Protanomaly

37.6476, 0.3023, 0.3162

Deuteranomaly

37.3001, 0.3062, 0.3095

Tritanomaly

37.3937, 0.2955, 0.3105

Monochromacy



Original Color

37.5357, 0.2971, 0.3161

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.3145, 0.3065, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5357, 0.2971, 0.3161 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(157, 166, 175)` looks like.

```
.text, #text, p{  
    color:rgb(157, 166, 175)  
}
```

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(157, 166, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 166, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.5357, 0.2971, 0.3161 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(157, 166, 175) }
```

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

```
.border{ border-color:rgb(157, 166, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 166, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 166, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 166, 175);  
box-shadow:4px 4px 4px 4px rgb(157, 166,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5357, 0.2971, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 166, 175) }
```

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

```
.background{ background-color: rgb(157,  
166, 175) }
```

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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