

Converting Colors

$Y_{xy}(37.3330, 0.2938, 0.3090)$

Have a look what the booklet for
Yxy(37.3330, 0.2938, 0.3090)
contains.

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Color

Yxy(37.3330, 0.2938, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	9DA5B3
RGB	157, 165, 179
RGB Percent	62%, 65%, 70%
CMY	0.3843, 0.3529, 0.2980
CMYK	0.12, 0.08, 0.00, 0.30
HSL	218°, 13%, 66%
HSV	218°, 12%, 70%
XYZ	35.4966, 37.3330, 47.9892
YIQ	164.2040, -9.2620, 2.6580

Conversions

Conversions Part 2

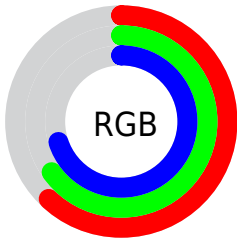
Format	Color
RYB	157, 163, 179
Decimal	10331571
CIELab	67.53, 0.04, -8.19
CIElCh	68, 8.193, 270.299
Yxy	37.3330, 0.2938, 0.3090
Android (android.graphics.Color)	4288521651 (0xFF9DA5B3)
YUV	164.2040, 7.2944, -6.3179
Hunter-Lab	61.1007, -3.2265, -3.7965

Details

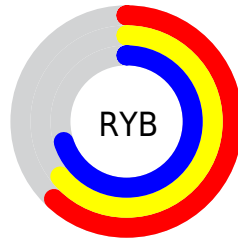
The Yxy color **37.3330, 0.2938, 0.3090** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.1471, 0.3321, 0.3482**, and the grayscale version is **37.1951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1816, 0.2975, 0.3126**, and **16.3808, 0.2888, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **31.7362, 0.2774, 0.2906**, and if you desaturate by 10%, it is **43.5627, 0.3093, 0.3255**.

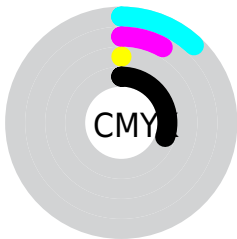
Distribution



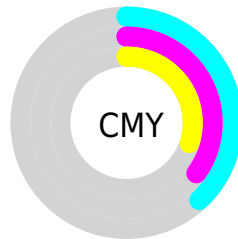
- Red (62%)
- Green (65%)
- Blue (70%)



- Red (62%)
- Yellow (64%)
- Blue (70%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)





- Cyan (38%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3330, 0.2938, 0.3090 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 37.3330, 0.2938, 0.3090 by changing the saturation by 10% instead.


 37.3330, 0.2938,
0.3090


 37.3330, 0.2938,
0.3090


334.7500, 0.3036,
0.3193

 25.4654, 0.2913,
0.3063


 71.0846, 0.2974,
0.3128

 16.4242, 0.2879,
0.3028


 93.7375, 0.2988,
0.3143

 9.8248, 0.2833,
0.2979


120.7542, 0.2999,
0.3154

 5.2829, 0.2767,
0.2910

152.5193, 0.3009,
0.3165

 2.4142, 0.2663,
0.2800

189.4169, 0.3017,
0.3173

 0.8332, 0.2475,
0.2601

231.8317, 0.3024,

 0.0000, 0.0000,

0.3181

0.0000

280.1479, 0.3030,
0.3188

■ 37.3330, 0.2938,
0.3090

■ 37.3330, 0.2938,
0.3090

■ 31.7362, 0.2774,
0.2906

■ 43.5627, 0.3093,
0.3255

■ 26.7467, 0.2603,
0.2703

■ 50.4406, 0.3237,
0.3401

■ 22.3439, 0.2428,
0.2482

■ 57.9871, 0.3371,
0.3529

■ 18.5041, 0.2256,
0.2248

■ 66.2203, 0.3493,
0.3642

■ 15.2021, 0.2091,
0.2005

■ 75.1578, 0.3605,
0.3740

■ 12.4100, 0.1942,
0.1762

■ 82.9888, 0.3637,
0.3840

■ 10.0972, 0.1816,
0.1528

■ 89.6602, 0.3606,
0.3945

■ 8.2286, 0.1717,
0.1313

■ 96.0352, 0.3579,
0.4037

■ 7.0485, 0.1657,
0.1164

Harmonies

Analogous

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



37.3330, 0.2892, 0.3148



37.3330, 0.2938, 0.3090



37.3330, 0.3035, 0.3086

Triad

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



37.3330, 0.2938, 0.3090



37.3330, 0.3353, 0.3327



37.3330, 0.3093, 0.3455

Complementary

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



37.3330, 0.2938, 0.3090



41.1471, 0.3321, 0.3482

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.



37.3330, 0.3217, 0.3504



37.3330, 0.2938, 0.3090



37.3330, 0.3368, 0.3427

Square

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



37.3330, 0.2938, 0.3090



37.3330, 0.3275, 0.3221



37.3330, 0.3318, 0.3492



37.3330, 0.2980, 0.3359

Rectangle

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



37.3330, 0.2938, 0.3090



37.3330, 0.3116, 0.3112



37.3330, 0.3318, 0.3492



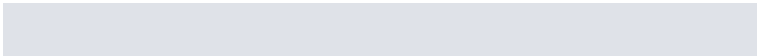
37.3330, 0.3134, 0.3477

Sweetspot

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



37.3346, 0.2938, 0.3090



75.9513, 0.3066, 0.3227



42.3511, 0.3004, 0.3404



16.6367, 0.3055, 0.3215



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.



37.3346, 0.2938, 0.3090



63.7772, 0.2890, 0.3038



34.8343, 0.2962, 0.2976



8.7194, 0.2985, 0.3141



5.0943, 0.1663, 0.1185



0.2737, 0.1827, 0.1776

Inverse Universe

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



36.4146, 0.3270, 0.3180



61.8552, 0.3309, 0.3152



43.9187, 0.3281, 0.3591



8.5547, 0.3232, 0.3207



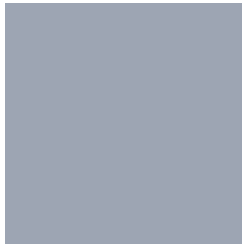
7.0544, 0.5487, 0.2797



0.2334, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 37.3330, 0.2938, 0.3090 looks on a white background.

Color Contrast Check

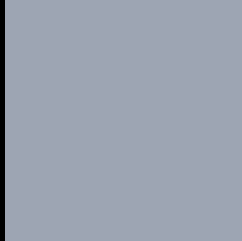
Large Text (above 18pt) WCAG AA × Fail

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 37.3330, 0.2938, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

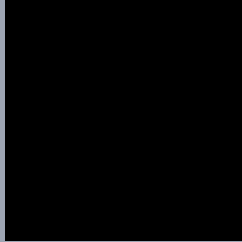
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

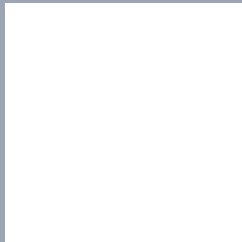
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3330, 0.2938, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 37.3330, 0.2938, 0.3090.

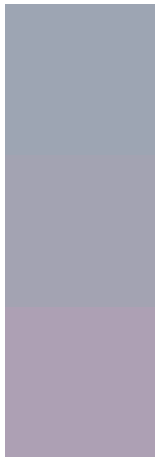


This preview shows how white text looks on a background with the Yxy color 37.3330, 0.2938, 0.3090.

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

37.3330, 0.2938, 0.3090

Protanopia

37.1953, 0.2999, 0.3079

Deuteranopia

37.3211, 0.3074, 0.3016



Tritanopia

37.2927, 0.2946, 0.3104

Trichromacy



Original Color

37.3330, 0.2938, 0.3090

Protanomaly

37.3423, 0.2981, 0.3092

Deuteranomaly

37.3514, 0.3019, 0.3040

Tritanomaly

37.2927, 0.2946, 0.3104

Monochromacy



Original Color

37.3330, 0.2938, 0.3090

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.9926, 0.3056, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3330, 0.2938, 0.3090 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, 165, 179)` looks like.

```
.text, #text, p{  
    color:rgb(157, 165, 179)  
}
```

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, 165, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 165, 179) }
```

Border

The CSS property to change the border of an element to Yxy 37.3330, 0.2938, 0.3090 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, 165, 179) }
```

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

```
.border{ border-color:rgb(157, 165, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 165, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 165, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 165, 179);  
box-shadow:4px 4px 4px 4px rgb(157, 165,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3330, 0.2938, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 165, 179) }
```

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

```
.background{ background-color: rgb(157,  
165, 179) }
```

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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