Converting Colors

Yxy(38.9913, 0.3107, 0.3286)

Have a look what the booklet for Yxy(38.9913, 0.3107, 0.3286) contains.

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Color

Yxy(38.9394, 0.3109, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	A6A8A8
RGB	166, 168, 168
RGB Percent	65%, 66%, 66%
CMY	0.3490, 0.3412, 0.3412
CMYK	0.01, 0.00, 0.00, 0.34
HSL	180°, 1%, 65%
HSV	180°, 1%, 66%
XYZ	36.7971, 38.9394, 42.6203
YIQ	167.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

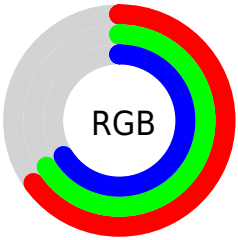
Format	Color
RYB	166, 167, 168
Decimal	10922152
CIELab	68.71, -0.70, -0.25
CIELCh	69, 0.748, 199.872
Yxy	38.9394, 0.3109, 0.3290
Android (android.graphics.Color)	4289112232 (0xFFA6A8A8)
YUV	167.4020, 0.2948, -1.2296
Hunter-Lab	62.4014, -3.9439, 3.1858

Details

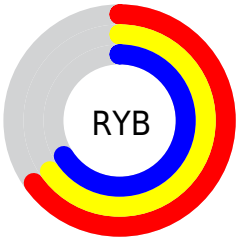
The Yxy color 38.9394, 0.3109, 0.3290 is a light color, and the websafe version is hex 999999. A complement of this color would be 38.3541, 0.3146, 0.3290, and the grayscale version is 38.8500, 0.3127, 0.3290.

A 20% lighter version of the original color is 73.4752, 0.3113, 0.3290, and 17.3291, 0.3102, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 37.2406, 0.2960, 0.3290, and if you desaturate by 10%, it is 40.8788, 0.3264, 0.3290.

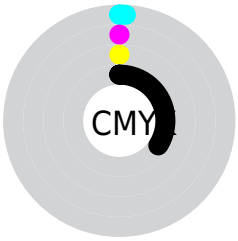
Distribution



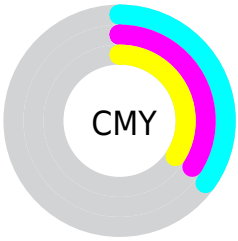
- Red (65%)
- Green (66%)
- Blue (66%)



- Red (65%)
- Yellow (65%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9394, 0.3109, 0.3290 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 38.9394, 0.3109, 0.3290 by changing the saturation by 10% instead.

38.9394, 0.3109, 0.3290

341.6328, 0.3118, 0.3290

73.5457, 0.3112, 0.3290

96.6940, 0.3114, 0.3290

124.2516, 0.3115, 0.3290

156.6029, 0.3116, 0.3290

194.1323, 0.3117, 0.3290

237.2241, 0.3117,

38.9394, 0.3109, 0.3290

26.7126, 0.3107, 0.3290

17.3575, 0.3103, 0.3290

10.4897, 0.3099, 0.3290

5.7248, 0.3093, 0.3290

2.6785, 0.3083, 0.3290

0.9663, 0.3065, 0.3289

0.0000, 0.0000,

0.3290

0.0000

286.2628, 0.3118, 0.3290

38.9394, 0.3109, 0.3290

38.9394, 0.3109, 0.3290

37.2406, 0.2960, 0.3290

40.8788, 0.3264, 0.3290

35.7681, 0.2819, 0.3291

43.0623, 0.3422, 0.3290

34.5141, 0.2690, 0.3291

45.4998, 0.3581, 0.3290

33.4680, 0.2575, 0.3292

48.1991, 0.3738, 0.3290

32.6185, 0.2476, 0.3292

51.1677, 0.3891, 0.3290

31.9535, 0.2395, 0.3293

31.4592, 0.2332, 0.3294

31.1199, 0.2289, 0.3294

30.9173, 0.2262, 0.3295

52.1038, 0.3936, 0.3289

52.1056, 0.3935, 0.3289

52.1073, 0.3935, 0.3288

52.1091, 0.3934, 0.3288

Harmonies

Analogous

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

38.9394, 0.3117, 0.3300

38.9394, 0.3109, 0.3290

38.9394, 0.3106, 0.3280

Triad

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

38.9394, 0.3109, 0.3290

38.9394, 0.3126, 0.3274

38.9394, 0.3147, 0.3307

Complementary

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

38.9394, 0.3109, 0.3290

38.3541, 0.3146, 0.3290

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.

38.9394, 0.3149, 0.3300

38.9394, 0.3109, 0.3290

38.9394, 0.3137, 0.3281

Square

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

38.9394, 0.3109, 0.3290

38.9394, 0.3116, 0.3271

38.9394, 0.3146, 0.3290

38.9394, 0.3139, 0.3309

Rectangle

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

38.9394, 0.3109, 0.3290

38.9394, 0.3107, 0.3275

38.9394, 0.3146, 0.3290

38.9394, 0.3148, 0.3305

Sweetspot

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

38.9411, 0.3109, 0.3290

71.0566, 0.3127, 0.3290

38.8711, 0.3126, 0.3318

15.4872, 0.3127, 0.3290

84.8088, 0.3127, 0.3290

Same Dimension

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

38.9411, 0.3109, 0.3290

70.7178, 0.3112, 0.3290

38.5866, 0.3109, 0.3276

8.8594, 0.3113, 0.3290

23.2702, 0.2249, 0.3296

0.5663, 0.2248, 0.3293

Inverse Universe

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

38.3541, 0.3146, 0.3290

69.8032, 0.3143, 0.3290

38.7057, 0.3145, 0.3304

8.7549, 0.3142, 0.3290

6.2875, 0.6397, 0.3298

0.1531, 0.6379, 0.3288

Previews

White Background

This preview shows how the Yxy color 38.9394, 0.3109, 0.3290 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 38.9394, 0.3109, 0.3290 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 38.9394, 0.3109, 0.3290

Background

This preview shows how black text looks on a background with the Yxy color 38.9394, 0.3109, 0.3290.

This preview shows how white text looks on a background with the Yxy color 38.9394, 0.3109, 0.3290.

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
38.9394, 0.3109, 0.3290

Protanopia
38.9735, 0.3155, 0.3290

Deuteranopia
38.7725, 0.3265, 0.3196

Tritanopia
38.8519, 0.3036, 0.3110

Trichromacy

Original Color
38.9394, 0.3109, 0.3290

Protanomaly
38.8625, 0.3146, 0.3290

Deuteranomaly
38.7626, 0.3206, 0.3222

Tritanomaly
38.9481, 0.3060, 0.3178

Monochromacy

Original Color
38.9394, 0.3109, 0.3290

Achromatopsia
38.6429, 0.3127, 0.3290

Achromatomaly
38.6429, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9394, 0.3109, 0.3290 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(166, 168, 168) looks like.

```
.text, #text, p{
    color:rgb(166, 168, 168)
}
```

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(166, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 168, 168) }
```

Border

The CSS property to change the border of an element to Yxy 38.9394, 0.3109, 0.3290 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(166, 168, 168) }
```

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

```
.border{ border-color:rgb(166, 168, 168) }
```

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

Here you see how a box with a 4 pixel rgb(166, 168, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 168, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 168, 168); box-shadow:4px 4px 4px 4px rgb(166, 168, 168) }
```

Background

The CSS property to change the background color of an element to Yxy 38.9394, 0.3109, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(166, 168, 168) }
```

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

```
.background{ background-color:rgb(166, 168, 168) }
```

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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