Converting Colors

Yxy(33.8776, 0.3156, 0.3185)

Have a look what the booklet for Yxy(33.8776, 0.3156, 0.3185) contains.

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Color

Yxy(33.9438, 0.3152, 0.3188)

Conversions

Format	Color
	Conversions Part 1
Hex	A49BA2
RGB	164, 155, 162
RGB Percent	64%, 61%, 64%
CMY	0.3567, 0.3922, 0.3647
CMYK	0.00, 0.06, 0.01, 0.36
HSL	313°, 5%, 63%
HSV	313°, 6%, 64%
XYZ	33.5605, 33.9438, 38.9694
YIQ	158.4890, 3.1170, 4.0850

Conversions

Conversions Part 2

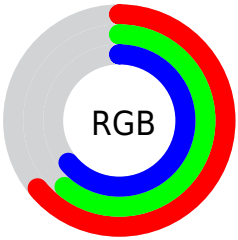
Format	Color
RYB	164, 155, 162
Decimal	10787746
CIELab	64.92, 4.62, -2.49
CIELCh	65, 5.242, 331.704
Yxy	33.9438, 0.3152, 0.3188
Android (android.graphics.Color)	4288977826 (0xFFA49BA2)
YUV	158.4890, 1.7309, 4.8331
Hunter-Lab	58.2613, 0.8648, 1.1255

Details

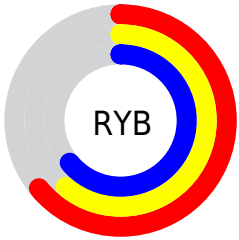
The Yxy color 33.9438, 0.3152, 0.3188 is a light color, and the websafe version is hex 999999. A complement of this color would be 35.9706, 0.3103, 0.3394, and the grayscale version is 34.4200, 0.3127, 0.3290.

A 20% lighter version of the original color is 65.6708, 0.3146, 0.3201, and 14.4712, 0.3161, 0.3166 is the 20% darker color. If you saturate the color by 10%, you get 28.7220, 0.3203, 0.2997, and if you desaturate by 10%, it is 39.9142, 0.3109, 0.3370.

Distribution

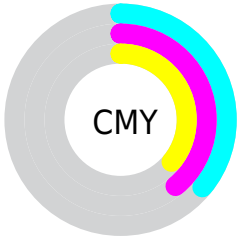


- Red (64%)
- Green (61%)
- Blue (64%)



- Red (64%)
- Yellow (61%)
- Blue (64%)

- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (36%)



- Cyan (36%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9438, 0.3152, 0.3188 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 33.9438, 0.3152, 0.3188 by changing the saturation by 10% instead.

33.9438, 0.3152, 0.3188

33.9438, 0.3152, 0.3188

319.8814, 0.3139, 0.3241

22.8504, 0.3155, 0.3174

65.8463, 0.3147, 0.3208

14.4831, 0.3160, 0.3155

87.4241, 0.3145, 0.3215

8.4574, 0.3166, 0.3129

113.2657, 0.3144, 0.3221

4.3890, 0.3175, 0.3091

143.7552, 0.3143, 0.3227

1.8935, 0.3189, 0.3029

179.2771, 0.3142, 0.3231

0.5444, 0.3246, 0.2805

220.2159, 0.3141,

0.0000, 0.0000,

0.3235

0.0000

266.9558, 0.3140, 0.3238

33.9438, 0.3152, 0.3188

33.9438, 0.3152, 0.3188

28.7220, 0.3203, 0.2997

39.9142, 0.3109, 0.3370

24.2146, 0.3261, 0.2801

46.6568, 0.3072, 0.3542

20.3914, 0.3327, 0.2606

54.1998, 0.3040, 0.3702

17.2183, 0.3401, 0.2419

62.5685, 0.3014, 0.3850

14.6581, 0.3482, 0.2248

71.7870, 0.2992, 0.3985

12.6700, 0.3567, 0.2104

11.2082, 0.3656, 0.1995

10.2199, 0.3744, 0.1929

9.6366, 0.3830, 0.1907

81.8786, 0.2974, 0.4110

83.0416, 0.2955, 0.4080

83.2027, 0.2936, 0.4035

83.3678, 0.2917, 0.3990

Harmonies

Analogous

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

33.9438, 0.3070, 0.3155

33.9438, 0.3152, 0.3188

33.9438, 0.3228, 0.3248

Triad

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

33.9438, 0.3152, 0.3188

33.9438, 0.3251, 0.3425

33.9438, 0.2980, 0.3258

Complementary

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

33.9438, 0.3152, 0.3188

35.9706, 0.3103, 0.3394

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.

33.9438, 0.3027, 0.3332

33.9438, 0.3152, 0.3188

33.9438, 0.3183, 0.3430

Square

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

33.9438, 0.3152, 0.3188

33.9438, 0.3285, 0.3384

33.9438, 0.3101, 0.3396

33.9438, 0.2971, 0.3194

Rectangle

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

33.9438, 0.3152, 0.3188

33.9438, 0.3265, 0.3295

33.9438, 0.3101, 0.3396

33.9438, 0.2991, 0.3283

Sweetspot

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

33.9453, 0.3152, 0.3188

65.1941, 0.3136, 0.3253

33.2839, 0.3064, 0.3156

14.2801, 0.3136, 0.3255

82.7571, 0.3127, 0.3290

14.7319, 0.3127, 0.3290

Same Dimension

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

33.9453, 0.3152, 0.3188

59.9624, 0.3160, 0.3158

33.7896, 0.3193, 0.3253

7.3990, 0.3161, 0.3153

7.2360, 0.3860, 0.1900

0.1584, 0.3584, 0.1748

Inverse Universe

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

33.9453, 0.3152, 0.3188

59.9624, 0.3160, 0.3158

36.1256, 0.3065, 0.3328

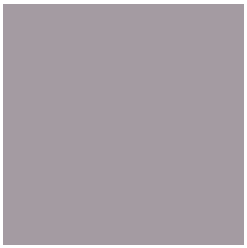
7.3990, 0.3161, 0.3153

7.2360, 0.3860, 0.1900

0.1584, 0.3584, 0.1748

Previews

White Background

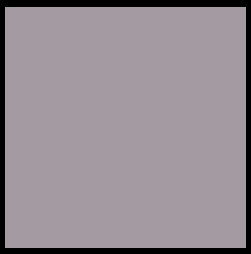


This preview shows how the Yxy color 33.9438, 0.3152, 0.3188 looks on a white background.

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



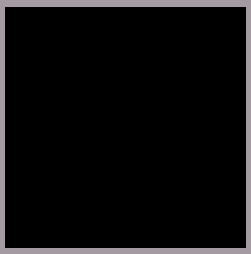
This preview shows how the Yxy color 33.9438, 0.3152, 0.3188 looks on a black background.

Color Contrast Check

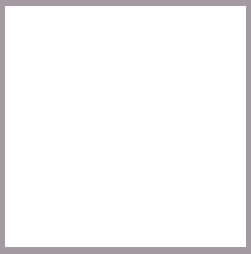
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 33.9438, 0.3152, 0.3188 Background



This preview shows how black text looks on a background with the Yxy color 33.9438, 0.3152, 0.3188.

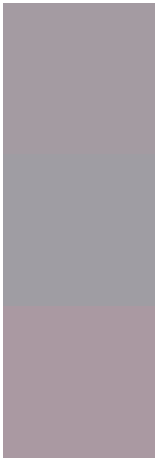


This preview shows how white text looks on a background with the Yxy color 33.9438, 0.3152, 0.3188.

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



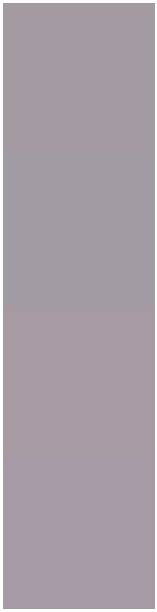
Original Color
33.9438, 0.3152, 0.3188

Protanopia
34.1292, 0.3093, 0.3202

Deuteranopia
33.9371, 0.3213, 0.3162

Tritanopia
33.8637, 0.3125, 0.3117

Trichromacy



Original Color
33.9438, 0.3152, 0.3188

Protanomaly
33.9983, 0.3112, 0.3188

Deuteranomaly
34.0447, 0.3192, 0.3175

Tritanomaly
33.8271, 0.3135, 0.3131

Monochromacy

Original Color
33.9438, 0.3152, 0.3188

Achromatopsia
34.1914, 0.3127, 0.3290

Achromatomaly
34.0907, 0.3138, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9438, 0.3152, 0.3188 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(164, 155, 162) looks like.

```
.text, #text, p{
    color:rgb(164, 155, 162)
}
```

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(164, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 155, 162) }
```

Border

The CSS property to change the border of an element to Yxy 33.9438, 0.3152, 0.3188 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(164, 155, 162) }
```

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

```
.border{ border-color:rgb(164, 155, 162) }
```

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

Here you see how a box with a 4 pixel rgb(164, 155, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 155, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 155, 162); box-shadow:4px 4px 4px 4px rgb(164, 155, 162) }
```

Background

The CSS property to change the background color of an element to Yxy 33.9438, 0.3152, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(164, 155, 162) }
```

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

```
.background{ background-color:rgb(164,
155, 162) }
```

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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