

Converting Colors

$Yxy(38.3672, 0.3078, 0.3481)$

Have a look what the booklet for
Yxy(38.3672, 0.3078, 0.3481)
contains.

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Color

Yxy(38.3667, 0.3073, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	99AB9E
RGB	153, 171, 158
RGB Percent	60%, 67%, 62%
CMY	0.4001, 0.3294, 0.3803
CMYK	0.11, 0.00, 0.08, 0.33
HSL	137°, 10%, 64%
HSV	137°, 11%, 67%
XYZ	33.8698, 38.3667, 37.9809
YIQ	164.1360, -6.5550, -7.8590

Conversions

Conversions Part 2

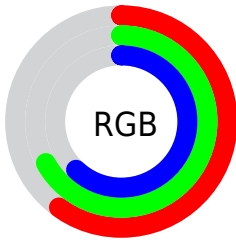
Format	Color
RYB	153, 167, 171
Decimal	10070942
CIELab	68.29, -8.84, 4.54
CIElCh	68, 9.934, 152.808
Yxy	38.3667, 0.3073, 0.3481
Android (android.graphics.Color)	4288261022 (0xFF99AB9E)
YUV	164.1360, -3.0250, -9.7663
Hunter-Lab	61.9409, -10.7911, 7.0031

Details

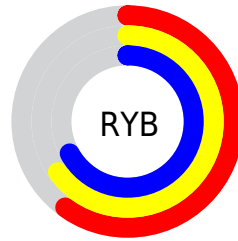
The Yxy color **38.3667, 0.3073, 0.3481** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1851, 0.3186, 0.3106**, and the grayscale version is **37.2092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4622, 0.3079, 0.3436**, and **17.0800, 0.3053, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **36.4192, 0.3022, 0.3685**, and if you desaturate by 10%, it is **40.5984, 0.3124, 0.3299**.

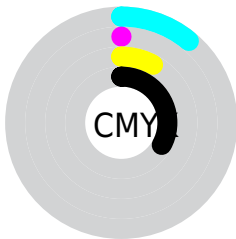
Distribution



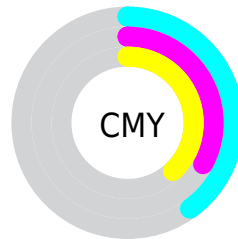
- Red (60%)
- Green (67%)
- Blue (62%)



- Red (60%)
- Yellow (65%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)




- Cyan (40%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3667, 0.3073, 0.3481 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 38.3667, 0.3073, 0.3481 by changing the saturation by 10% instead.


 38.3667, 0.3073,
0.3481


 38.3667, 0.3073,
0.3481


339.1904, 0.3102,
0.3381

 26.2674, 0.3065,
0.3507


 72.6698, 0.3084,
0.3444

 17.0238, 0.3055,
0.3542


 95.6425, 0.3088,
0.3430

 10.2515, 0.3041,
0.3591


123.0084, 0.3091,
0.3418

 5.5660, 0.3020,
0.3662

155.1519, 0.3094,
0.3409

 2.5830, 0.2985,
0.3778

192.4575, 0.3096,
0.3400

 0.9181, 0.2910,
0.4069

235.3095, 0.3098,

 0.0000, 0.0000,

0.3393

0.0000

284.0924, 0.3100,
0.3387

■ 38.3667, 0.3073,
0.3481

■ 38.3667, 0.3073,
0.3481

■ 36.4192, 0.3022,
0.3685

■ 40.5984, 0.3124,
0.3299

■ 34.7396, 0.2973,
0.3912

■ 43.1201, 0.3175,
0.3139

■ 33.3175, 0.2929,
0.4160

■ 45.9436, 0.3224,
0.2999

■ 32.1398, 0.2893,
0.4423

■ 49.0783, 0.3270,
0.2877

■ 31.1923, 0.2867,
0.4695

■ 52.5337, 0.3314,
0.2770

■ 30.4592, 0.2854,
0.4965

■ 56.2080, 0.3351,
0.2677

■ 29.9227, 0.2856,
0.5221

■ 56.9318, 0.3250,
0.2564

■ 29.5620, 0.2873,
0.5450

■ 57.6087, 0.3166,
0.2469

■ 29.3414, 0.2898,
0.5632

Harmonies

Analogous

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



38.3667, 0.3222, 0.3545



38.3667, 0.3073, 0.3481



38.3667, 0.2941, 0.3362

Triad

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



38.3667, 0.3073, 0.3481



38.3667, 0.2908, 0.3047



38.3667, 0.3403, 0.3345

Complementary

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



38.3667, 0.3073, 0.3481



34.1851, 0.3186, 0.3106

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.



38.3667, 0.3315, 0.3217



38.3667, 0.3073, 0.3481



38.3667, 0.3028, 0.3048

Square

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



38.3667, 0.3073, 0.3481



38.3667, 0.2847, 0.3110



38.3667, 0.3177, 0.3110



38.3667, 0.3415, 0.3462

Rectangle

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



38.3667, 0.3073, 0.3481



38.3667, 0.2879, 0.3270



38.3667, 0.3177, 0.3110



38.3667, 0.3382, 0.3302

Sweetspot

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



38.3683, 0.3073, 0.3481



71.6523, 0.3112, 0.3343



39.5563, 0.3236, 0.3548



15.9061, 0.3107, 0.3357



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.



38.3683, 0.3073, 0.3481



67.7230, 0.3059, 0.3534



38.6813, 0.3002, 0.3351



8.9749, 0.3079, 0.3457



22.1249, 0.2893, 0.5616



0.6249, 0.2719, 0.4988

Inverse Universe

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



34.1851, 0.3186, 0.3106



58.4932, 0.3203, 0.3058



33.8742, 0.3269, 0.3230



8.1092, 0.3179, 0.3128



7.6156, 0.4056, 0.2008



0.2205, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 38.3667, 0.3073, 0.3481 looks on a white background.

Color Contrast Check

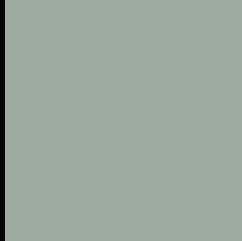
Large Text (above 18pt) WCAG AA × Fail

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 38.3667, 0.3073, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

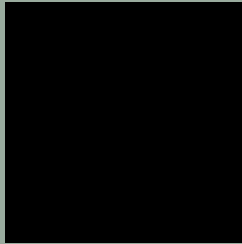
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3667, 0.3073, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 38.3667, 0.3073, 0.3481.

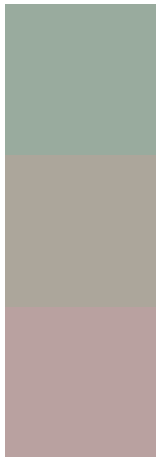


This preview shows how white text looks on a background with the Yxy color 38.3667, 0.3073, 0.3481.

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

38.3667, 0.3073, 0.3481

Protanopia

38.4097, 0.3280, 0.3446

Deuteranopia

38.3421, 0.3369, 0.3304



Tritanopia

38.5096, 0.2923, 0.3106

Trichromacy



Original Color

38.3667, 0.3073, 0.3481

Protanomaly

38.4049, 0.3202, 0.3462

Deuteranomaly

38.2977, 0.3255, 0.3375

Tritanomaly

38.4610, 0.2978, 0.3232

Monochromacy



Original Color

38.3667, 0.3073, 0.3481

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7197, 0.3105, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3667, 0.3073, 0.3481 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(153, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(153, 171, 158)  
}
```

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(153, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 171, 158) }
```

Border

The CSS property to change the border of an element to Yxy 38.3667, 0.3073, 0.3481 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(153, 171, 158) }
```

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

```
.border{ border-color:rgb(153, 171, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 171, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 171, 158);  
box-shadow:4px 4px 4px 4px rgb(153, 171,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3667, 0.3073, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 171, 158) }
```

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

```
.background{ background-color: rgb(153,  
171, 158) }
```

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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