

Converting Colors

$Yxy(38.6848, 0.3083, 0.3412)$

Have a look what the booklet for
Yxy(38.6848, 0.3083, 0.3412)
contains.

Yxy(38.6272, 0.3086, 0.3406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6272, 0.3086, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	9EAAA2
RGB	158, 170, 162
RGB Percent	62%, 67%, 64%
CMY	0.3803, 0.3333, 0.3648
CMYK	0.07, 0.00, 0.05, 0.33
HSL	140°, 7%, 64%
HSV	140°, 7%, 67%
XYZ	34.9981, 38.6272, 39.7840
YIQ	165.5000, -4.5840, -5.0320

Conversions

Conversions Part 2

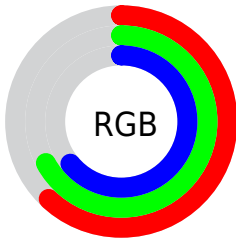
Format	Color
RYB	158, 167, 170
Decimal	10398370
CIELab	68.48, -5.76, 2.67
CIELCh	68, 6.354, 155.108
Yxy	38.6272, 0.3086, 0.3406
Android (android.graphics.Color)	4288588450 (0xFF9EAAA2)
YUV	165.5000, -1.7255, -6.5775
Hunter-Lab	62.1508, -8.2477, 5.5528

Details

The Yxy color **38.6272, 0.3086, 0.3406** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7612, 0.3171, 0.3177**, and the grayscale version is **37.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0063, 0.3095, 0.3378**, and **17.2085, 0.3082, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **36.6357, 0.3028, 0.3588**, and if you desaturate by 10%, it is **40.8972, 0.3144, 0.3244**.

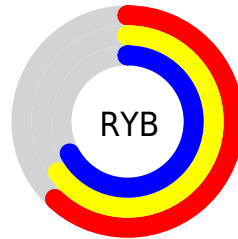
Distribution



Red (62%)

Green (67%)

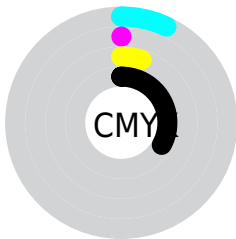
Blue (64%)



Red (62%)

Yellow (65%)

Blue (67%)

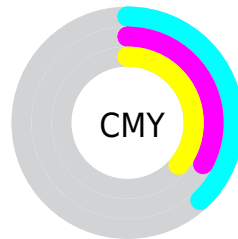


Cyan (7%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (38%)


Magenta (33%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6272, 0.3086, 0.3406 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 38.6272, 0.3086, 0.3406 by changing the saturation by 10% instead.


 38.6272, 0.3086,
0.3406


 38.6272, 0.3086,
0.3406


340.3029, 0.3108,
0.3346

 26.4698, 0.3080,
0.3422


 73.0685, 0.3094,
0.3384

 17.1755, 0.3073,
0.3443


 96.1211, 0.3097,
0.3375

 10.3597, 0.3062,
0.3471


123.5744, 0.3099,
0.3368

 5.6381, 0.3047,
0.3514

155.8126, 0.3102,
0.3362

 2.6263, 0.3023,
0.3581

193.2202, 0.3103,
0.3357

 0.9399, 0.2975,
0.3720

236.1815, 0.3105,

 0.0000, 0.0000,

0.3353

0.0000

285.0809, 0.3106,
0.3349

■ 38.6272, 0.3086,
0.3406

■ 38.6272, 0.3086,
0.3406

■ 36.6357, 0.3028,
0.3588

■ 40.8972, 0.3144,
0.3244

■ 34.9069, 0.2972,
0.3791

■ 43.4507, 0.3202,
0.3102

■ 33.4311, 0.2921,
0.4014

■ 46.2990, 0.3257,
0.2977

■ 32.1961, 0.2876,
0.4253

■ 49.4513, 0.3310,
0.2868

■ 31.1886, 0.2842,
0.4505

■ 52.9163, 0.3360,
0.2773

■ 30.3939, 0.2822,
0.4761

■ 55.7376, 0.3365,
0.2682

■ 29.7956, 0.2817,
0.5011

■ 56.3990, 0.3272,
0.2577

■ 29.3748, 0.2829,
0.5245

■ 57.1030, 0.3181,
0.2477

■ 29.1038, 0.2856,
0.5453

■ 57.2298, 0.3166,
0.2460

Harmonies

Analogous

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



38.6272, 0.3181, 0.3450



38.6272, 0.3086, 0.3406



38.6272, 0.3003, 0.3330

Triad

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



38.6272, 0.3086, 0.3406



38.6272, 0.2992, 0.3133



38.6272, 0.3305, 0.3333

Complementary

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



38.6272, 0.3086, 0.3406



35.7612, 0.3171, 0.3177

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.



38.6272, 0.3253, 0.3250



38.6272, 0.3086, 0.3406



38.6272, 0.3071, 0.3136

Square

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



38.6272, 0.3086, 0.3406



38.6272, 0.2949, 0.3172



38.6272, 0.3167, 0.3178



38.6272, 0.3309, 0.3406

Rectangle

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



38.6272, 0.3086, 0.3406



38.6272, 0.2965, 0.3272



38.6272, 0.3167, 0.3178



38.6272, 0.3293, 0.3305

Sweetspot

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



38.6288, 0.3086, 0.3406



72.0861, 0.3115, 0.3323



39.3485, 0.3194, 0.3461



16.0858, 0.3116, 0.3321



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.



38.6288, 0.3086, 0.3406



69.6663, 0.3080, 0.3425



38.8408, 0.3038, 0.3321



8.4471, 0.3073, 0.3445



21.3693, 0.2858, 0.5489



0.5293, 0.2665, 0.4795

Inverse Universe

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



35.7612, 0.3171, 0.3177



63.6971, 0.3178, 0.3159



35.5522, 0.3224, 0.3259



7.6238, 0.3186, 0.3140



7.1875, 0.4241, 0.2110



0.1837, 0.3826, 0.1882

Previews

White Background



This preview shows how the Yxy color 38.6272, 0.3086, 0.3406 looks on a white background.

Color Contrast Check

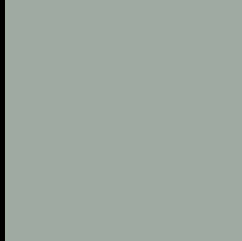
Large Text (above 18pt) WCAG AA × Fail

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 38.6272, 0.3086, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

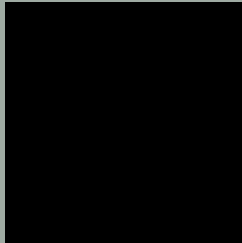
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

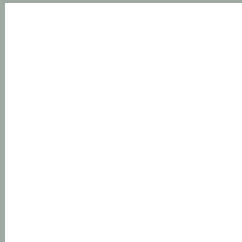
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6272, 0.3086, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 38.6272, 0.3086, 0.3406.



This preview shows how white text looks on a background with the Yxy color 38.6272, 0.3086, 0.3406.

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

38.6272, 0.3086, 0.3406

Protanopia

38.4684, 0.3226, 0.3375

Deuteranopia

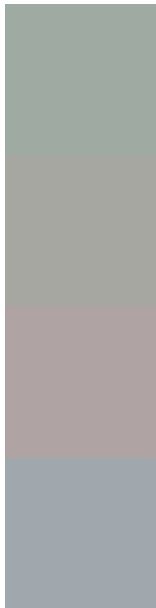
38.3604, 0.3322, 0.3250



Tritanopia

38.5098, 0.2966, 0.3107

Trichromacy



Original Color

38.6272, 0.3086, 0.3406

Protanomaly

38.3176, 0.3169, 0.3376

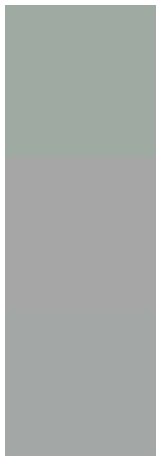
Deuteranomaly

38.3092, 0.3240, 0.3304

Tritanomaly

38.4960, 0.3013, 0.3219

Monochromacy



Original Color

38.6272, 0.3086, 0.3406

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1406, 0.3107, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6272, 0.3086, 0.3406 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(158, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(158, 170, 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(158, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 170, 162) }
```

Border

The CSS property to change the border of an element to Yxy 38.6272, 0.3086, 0.3406 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(158, 170, 162) }
```

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

```
.border{ border-color:rgb(158, 170, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 170, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 170, 162);  
box-shadow:4px 4px 4px 4px rgb(158, 170,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6272, 0.3086, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 170, 162) }
```

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

```
.background{ background-color: rgb(158,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor