

Converting Colors

$Yxy(37.6537, 0.3072, 0.3422)$

Have a look what the booklet for
Yxy(37.6537, 0.3072, 0.3422)
contains.

Yxy(37.7840, 0.3067, 0.3422)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7840, 0.3067, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	9AA9A0
RGB	154, 169, 160
RGB Percent	60%, 66%, 63%
CMY	0.3959, 0.3373, 0.3725
CMYK	0.09, 0.00, 0.05, 0.34
HSL	144°, 8%, 63%
HSV	144°, 9%, 66%
XYZ	33.8643, 37.7840, 38.7667
YIQ	163.4890, -6.0510, -5.9790

Conversions

Conversions Part 2

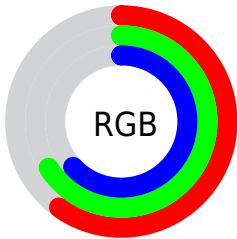
Format	Color
RYB	154, 165, 169
Decimal	10135968
CIELab	67.86, -7.01, 2.84
CIElCh	68, 7.559, 157.965
Yxy	37.7840, 0.3067, 0.3422
Android (android.graphics.Color)	4288326048 (0xFF9AA9A0)
YUV	163.4890, -1.7201, -8.3219
Hunter-Lab	61.4687, -9.2312, 5.6354

Details

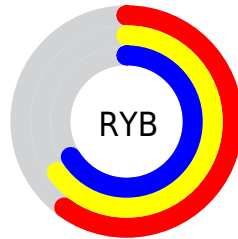
The Yxy color **37.7840, 0.3067, 0.3422** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2021, 0.3192, 0.3162**, and the grayscale version is **36.8828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6275, 0.3074, 0.3391**, and **16.7103, 0.3044, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **35.9009, 0.3000, 0.3588**, and if you desaturate by 10%, it is **39.9329, 0.3135, 0.3274**.

Distribution



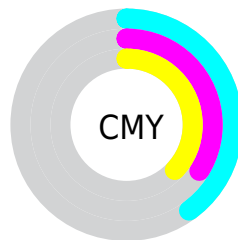
- Red (60%)
- Green (66%)
- Blue (63%)



- Red (60%)
- Yellow (65%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (40%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7840, 0.3067, 0.3422 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 37.7840, 0.3067, 0.3422 by changing the saturation by 10% instead.


 37.7840, 0.3067,
0.3422


 37.7840, 0.3067,
0.3422


336.6925, 0.3098,
0.3353

 25.8151, 0.3059,
0.3440


 71.7769, 0.3079,
0.3396

 16.6854, 0.3048,
0.3464


 94.5698, 0.3083,
0.3387

 10.0104, 0.3032,
0.3498


121.7394, 0.3087,
0.3379

 5.4059, 0.3010,
0.3547

153.6701, 0.3090,
0.3372

 2.4873, 0.2974,
0.3626

190.7464, 0.3092,
0.3366

 0.8703, 0.2883,
0.3824

233.3526, 0.3095,

 0.0000, 0.0000,

0.3361

0.0000

281.8732, 0.3097,
0.3357

■ 37.7840, 0.3067,
0.3422

■ 37.7840, 0.3067,
0.3422

■ 35.9009, 0.3000,
0.3588

■ 39.9329, 0.3135,
0.3274

■ 34.2683, 0.2936,
0.3772

■ 42.3525, 0.3202,
0.3143

■ 32.8767, 0.2879,
0.3974

■ 45.0537, 0.3268,
0.3028

■ 31.7142, 0.2829,
0.4190

■ 48.0453, 0.3332,
0.2927

■ 30.7678, 0.2792,
0.4417

■ 51.3359, 0.3393,
0.2838

■ 30.0232, 0.2770,
0.4649

■ 54.8516, 0.3446,
0.2761

■ 29.4641, 0.2765,
0.4878

■ 55.4094, 0.3359,
0.2664

■ 29.0718, 0.2779,
0.5096

■ 56.0005, 0.3275,
0.2571

■ 28.8112, 0.2807,
0.5296

■ 56.6254, 0.3194,
0.2481

Harmonies

Analogous

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



37.7840, 0.3181, 0.3480



37.7840, 0.3067, 0.3422



37.7840, 0.2970, 0.3327

Triad

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



37.7840, 0.3067, 0.3422



37.7840, 0.2972, 0.3100



37.7840, 0.3344, 0.3350

Complementary

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



37.7840, 0.3067, 0.3422



34.2021, 0.3192, 0.3162

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.



37.7840, 0.3286, 0.3251



37.7840, 0.3067, 0.3422



37.7840, 0.3070, 0.3109

Square

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



37.7840, 0.3067, 0.3422



37.7840, 0.2916, 0.3141



37.7840, 0.3185, 0.3164



37.7840, 0.3342, 0.3435

Rectangle

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



37.7840, 0.3067, 0.3422



37.7840, 0.2928, 0.3258



37.7840, 0.3185, 0.3164



37.7840, 0.3331, 0.3317

Sweetspot

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



37.7856, 0.3067, 0.3422



69.8483, 0.3106, 0.3334



38.5223, 0.3202, 0.3506



15.1576, 0.3101, 0.3346



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



37.7856, 0.3067, 0.3422



66.8436, 0.3051, 0.3459



38.0467, 0.3008, 0.3315



8.4555, 0.3064, 0.3429



21.4643, 0.2805, 0.5298



0.5324, 0.2614, 0.4610

Inverse Universe

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



34.2021, 0.3192, 0.3162



58.8532, 0.3211, 0.3127



33.9497, 0.3261, 0.3265



7.6152, 0.3196, 0.3155



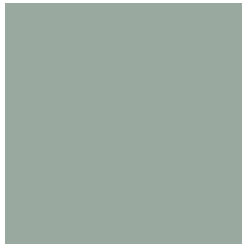
7.0060, 0.4508, 0.2257



0.1801, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 37.7840, 0.3067, 0.3422 looks on a white background.

Color Contrast Check

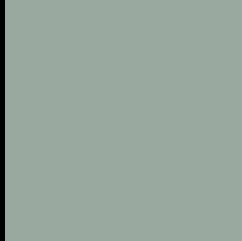
Large Text (above 18pt) WCAG AA × Fail

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 37.7840, 0.3067, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

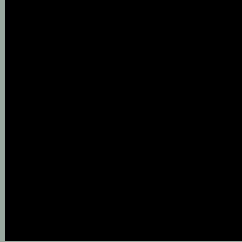
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

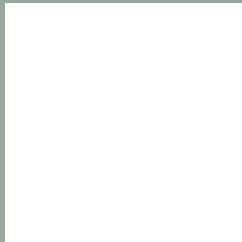
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7840, 0.3067, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 37.7840, 0.3067, 0.3422.



This preview shows how white text looks on a background with the Yxy color 37.7840, 0.3067, 0.3422.

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

37.7840, 0.3067, 0.3422

Protanopia

37.5313, 0.3246, 0.3390

Deuteranopia

37.6953, 0.3323, 0.3263



Tritanopia

37.6952, 0.2938, 0.3105

Trichromacy



Original Color

37.7840, 0.3067, 0.3422

Protanomaly

37.6336, 0.3178, 0.3405

Deuteranomaly

37.5383, 0.3231, 0.3318

Tritanomaly

37.6839, 0.2986, 0.3218

Monochromacy



Original Color

37.7840, 0.3067, 0.3422

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.9925, 0.3107, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7840, 0.3067, 0.3422 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(154, 169, 160)` looks like.

```
.text, #text, p{  
    color:rgb(154, 169, 160)  
}
```

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(154, 169, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 169, 160) }
```

Border

The CSS property to change the border of an element to Yxy 37.7840, 0.3067, 0.3422 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(154, 169, 160) }
```

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

```
.border{ border-color:rgb(154, 169, 160) }
```

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

Here you see how a box with a 4 pixel rgb(154, 169, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(154, 169,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7840, 0.3067, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 169, 160) }
```

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

```
.background{ background-color: rgb(154,  
169, 160) }
```

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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