

Converting Colors

$Yxy(38.8604, 0.3101, 0.3303)$

Have a look what the booklet for
Yxy(38.8604, 0.3101, 0.3303)
contains.

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Color

Yxy(38.7946, 0.3108, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	A5A8A7
RGB	165, 168, 167
RGB Percent	65%, 66%, 65%
CMY	0.3530, 0.3411, 0.3451
CMYK	0.02, 0.00, 0.01, 0.34
HSL	160°, 2%, 65%
HSV	160°, 2%, 66%
XYZ	36.4932, 38.7946, 42.1292
YIQ	166.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

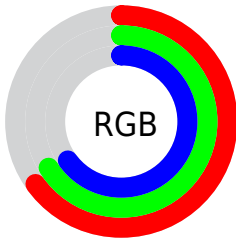
Format	Color
R_{YB}	165, 167, 168
Decimal	10856615
CIE Lab	68.60, -1.26, 0.13
CIE LCh	69, 1.263, 174.164
Yxy	38.7946, 0.3108, 0.3304
Android (android.graphics.Color)	4289046695 (0xFFA5A8A7)
YUV	166.9890, 0.0054, -1.7444
Hunter-Lab	62.2853, -4.4154, 3.4965

Details

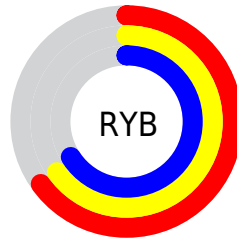
The Yxy color **38.7946, 0.3108, 0.3304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9834, 0.3147, 0.3276**, and the grayscale version is **38.6386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2649, 0.3113, 0.3301**, and **17.2393, 0.3101, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **36.9113, 0.3003, 0.3387**, and if you desaturate by 10%, it is **40.9267, 0.3215, 0.3229**.

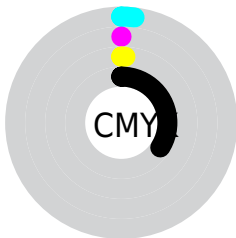
Distribution



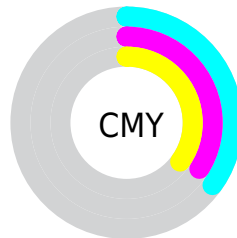
- Red (65%)
- Green (66%)
- Blue (65%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7946, 0.3108, 0.3304 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 38.7946, 0.3108, 0.3304 by changing the saturation by 10% instead.


 38.7946, 0.3108,
0.3304


 38.7946, 0.3108,
0.3304

341.0164, 0.3118,
0.3297

 26.6000, 0.3105,
0.3306


 73.3244, 0.3112,
0.3301

 17.2730, 0.3102,
0.3308


 96.4284, 0.3113,
0.3300

 10.4293, 0.3097,
0.3312


123.9377, 0.3114,
0.3300

 5.6845, 0.3091,
0.3316

156.2366, 0.3115,
0.3299

 2.6542, 0.3080,
0.3324

193.7095, 0.3116,
0.3298

 0.9540, 0.3061,
0.3338

236.7408, 0.3117,

 0.0000, 0.0000,

0.3298

0.0000

285.7150, 0.3117,
0.3297

■ 38.7946, 0.3108,
0.3304

■ 38.7946, 0.3108,
0.3304

■ 36.9113, 0.3003,
0.3387

■ 40.9267, 0.3215,
0.3229

■ 35.2624, 0.2902,
0.3479

■ 43.3113, 0.3322,
0.3163

■ 33.8399, 0.2809,
0.3579

■ 45.9584, 0.3428,
0.3104

■ 32.6331, 0.2725,
0.3687

■ 48.8759, 0.3532,
0.3053

■ 31.6306, 0.2654,
0.3801

■ 52.0715, 0.3632,
0.3008

■ 30.8200, 0.2598,
0.3921

■ 53.4481, 0.3634,
0.2957

■ 30.1872, 0.2560,
0.4045

■ 53.7119, 0.3583,
0.2901

■ 29.7164, 0.2542,
0.4170

■ 53.9852, 0.3533,
0.2845

■ 29.3888, 0.2543,
0.4294

■ 54.2681, 0.3484,
0.2791

Harmonies

Analogous

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



38.7946, 0.3126, 0.3317



38.7946, 0.3108, 0.3304



38.7946, 0.3095, 0.3287

Triad

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



38.7946, 0.3108, 0.3304



38.7946, 0.3110, 0.3258



38.7946, 0.3164, 0.3309

Complementary

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



38.7946, 0.3108, 0.3304



37.9834, 0.3147, 0.3276

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.



38.7946, 0.3160, 0.3293



38.7946, 0.3108, 0.3304



38.7946, 0.3128, 0.3264

Square

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



38.7946, 0.3108, 0.3304



38.7946, 0.3096, 0.3261



38.7946, 0.3147, 0.3276



38.7946, 0.3159, 0.3320

Rectangle

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



38.7946, 0.3108, 0.3304



38.7946, 0.3091, 0.3276



38.7946, 0.3147, 0.3276



38.7946, 0.3164, 0.3304

Sweetspot

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



38.7963, 0.3108, 0.3304



70.6801, 0.3116, 0.3298



38.8303, 0.3134, 0.3333



15.4098, 0.3117, 0.3297



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.



38.7963, 0.3108, 0.3304



70.3082, 0.3105, 0.3306



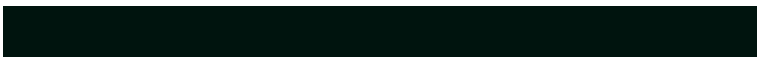
38.6476, 0.3100, 0.3283



8.8126, 0.3107, 0.3305



22.0529, 0.2551, 0.4383



0.5454, 0.2438, 0.3976

Inverse Universe

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



37.9834, 0.3147, 0.3276



68.6402, 0.3149, 0.3274



38.1290, 0.3155, 0.3297



8.6219, 0.3147, 0.3276



6.5059, 0.5612, 0.2865



0.1677, 0.4704, 0.2365

Previews

White Background



This preview shows how the Yxy color 38.7946, 0.3108, 0.3304 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 38.7946, 0.3108, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

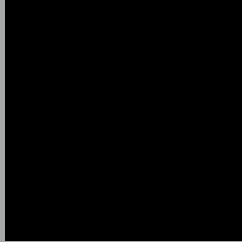
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

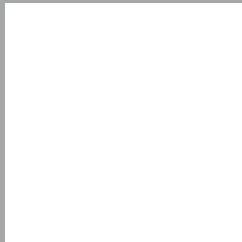
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7946, 0.3108, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 38.7946, 0.3108, 0.3304.



This preview shows how white text looks on a background with the Yxy color 38.7946, 0.3108, 0.3304.

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

38.7946, 0.3108, 0.3304

Protanopia

38.5717, 0.3164, 0.3290

Deuteranopia

38.7351, 0.3274, 0.3209



Tritanopia

38.7426, 0.3027, 0.3110

Trichromacy



Original Color

38.7946, 0.3108, 0.3304

Protanomaly

38.7154, 0.3145, 0.3304

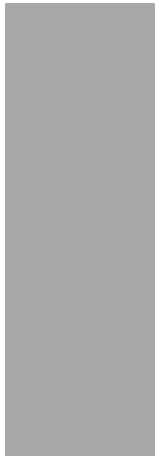
Deuteranomaly

38.6082, 0.3205, 0.3235

Tritanomaly

38.8396, 0.3051, 0.3178

Monochromacy



Original Color

38.7946, 0.3108, 0.3304

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.5344, 0.3118, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7946, 0.3108, 0.3304 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(165, 168, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 168, 167)  
}
```

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(165, 168, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 168, 167) }
```

Border

The CSS property to change the border of an element to Yxy 38.7946, 0.3108, 0.3304 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(165, 168, 167) }
```

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

```
.border{ border-color:rgb(165, 168, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 168, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 168, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 168, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 168,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7946, 0.3108, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 168, 167) }
```

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

```
.background{ background-color: rgb(165,  
168, 167) }
```

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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