

Converting Colors

$Y_{xy}(40.3125, 0.3412, 0.3815)$

Have a look what the booklet for
Yxy(40.3125, 0.3412, 0.3815)
contains.

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Color

Yxy(40.2108, 0.3414, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	AAAD88
RGB	170, 173, 136
RGB Percent	67%, 68%, 53%
CMY	0.3334, 0.3215, 0.4665
CMYK	0.02, 0.00, 0.21, 0.32
HSL	65°, 18%, 61%
HSV	65°, 21%, 68%
XYZ	35.9653, 40.2108, 29.1705
YIQ	167.8850, 10.0890, -12.1430

Conversions

Conversions Part 2

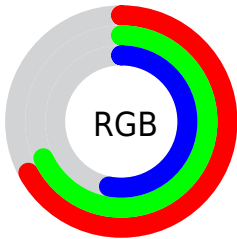
Format	Color
RYB	136, 173, 139
Decimal	11185544
CIELab	69.62, -7.40, 18.69
CIELCh	70, 20.101, 111.607
Yxy	40.2108, 0.3414, 0.3817
Android (android.graphics.Color)	4289375624 (0xFFAAAD88)
YUV	167.8850, -15.7193, 1.8549
Hunter-Lab	63.4120, -9.7313, 17.1141

Details

The Yxy color **40.2108, 0.3414, 0.3817** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.1283, 0.2805, 0.2713**, and the grayscale version is **39.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3297, 0.3369, 0.3716**, and **18.1285, 0.3488, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **39.6032, 0.3548, 0.4069**, and if you desaturate by 10%, it is **40.9031, 0.3278, 0.3566**.

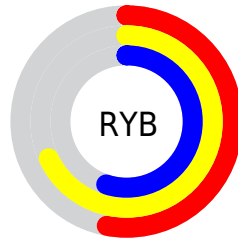
Distribution



Red (67%)

Green (68%)

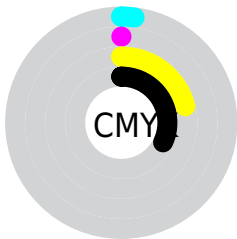
Blue (53%)



Red (53%)

Yellow (68%)

Blue (55%)

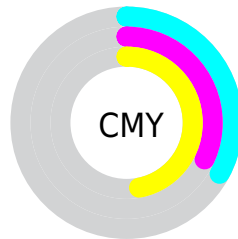


Cyan (2%)

Magenta (0%)

Yellow (21%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2108, 0.3414, 0.3817 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 40.2108, 0.3414, 0.3817 by changing the saturation by 10% instead.


 40.2108, 0.3414,
0.3817


 40.2108, 0.3414,
0.3817


347.0113, 0.3270,
0.3543


 27.7029, 0.3450,
0.3888


 75.4844, 0.3362,
0.3715

 18.1019, 0.3495,
0.3982


 99.0189, 0.3342,
0.3678

 11.0231, 0.3555,
0.4110


 126.9978, 0.3325,
0.3646

 6.0824, 0.3636,
0.4293

159.8054, 0.3311,
0.3619

 2.8953, 0.3749,
0.4574

197.8262, 0.3299,
0.3596

 1.0773, 0.4356,
0.5644

241.4445, 0.3288,

 0.0000, 0.0000,

0.3576

0.0000

291.0447, 0.3278,
0.3559

■ 40.2108, 0.3414,
0.3817

■ 40.2108, 0.3414,
0.3817

■ 39.6032, 0.3548,
0.4069

■ 40.9031, 0.3278,
0.3566

■ 39.0711, 0.3675,
0.4314

■ 41.6782, 0.3145,
0.3323

■ 38.6122, 0.3791,
0.4542

■ 42.5413, 0.3017,
0.3091

■ 38.2219, 0.3889,
0.4744

■ 43.4956, 0.2896,
0.2875

■ 37.8953, 0.3966,
0.4911

■ 44.5440, 0.2783,
0.2675

■ 37.6265, 0.4018,
0.5037

■ 45.6894, 0.2679,
0.2492

■ 37.4089, 0.4044,
0.5119

■ 46.7961, 0.2596,
0.2346

■ 37.2497, 0.4052,
0.5165

■ 46.9661, 0.2606,
0.2348

■ 47.1379, 0.2616,
0.2351

Harmonies

Analogous

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



40.2108, 0.3634, 0.3733



40.2108, 0.3414, 0.3817



40.2108, 0.3124, 0.3746

Triad

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



40.2108, 0.3414, 0.3817



40.2108, 0.2572, 0.3000



40.2108, 0.3405, 0.3060

Complementary

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



40.2108, 0.3414, 0.3817



26.1283, 0.2805, 0.2713

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.



40.2108, 0.3108, 0.2885



40.2108, 0.3414, 0.3817



40.2108, 0.2637, 0.2842

Square

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



40.2108, 0.3414, 0.3817



40.2108, 0.2645, 0.3253



40.2108, 0.2829, 0.2804



40.2108, 0.3631, 0.3294

Rectangle

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



40.2108, 0.3414, 0.3817



40.2108, 0.2932, 0.3617



40.2108, 0.2829, 0.2804



40.2108, 0.3309, 0.2993

Sweetspot

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



40.2126, 0.3414, 0.3817



73.9625, 0.3208, 0.3437



28.9837, 0.3541, 0.3328



16.0550, 0.3216, 0.3452



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.



40.2126, 0.3414, 0.3817



71.4418, 0.3483, 0.3946



38.3483, 0.3245, 0.3846



9.2965, 0.3251, 0.3515



27.3755, 0.4053, 0.5164



0.7711, 0.4099, 0.5128

Inverse Universe

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



26.1283, 0.2805, 0.2713



41.3333, 0.2715, 0.2556



27.8017, 0.2985, 0.2743



7.7873, 0.2998, 0.3057



2.2966, 0.1532, 0.0618



0.0737, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 40.2108, 0.3414, 0.3817 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 40.2108, 0.3414, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

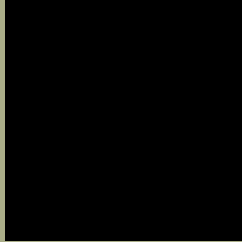
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

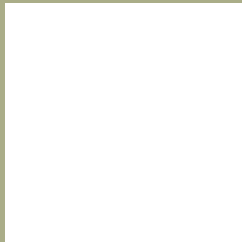
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2108, 0.3414, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 40.2108, 0.3414, 0.3817.



This preview shows how white text looks on a background with the Yxy color 40.2108, 0.3414, 0.3817.

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

40.2108, 0.3414, 0.3817

Protanopia

40.2944, 0.3547, 0.3788

Deuteranopia

39.8997, 0.3694, 0.3620



Tritanopia

40.1628, 0.3099, 0.3115

Trichromacy



Original Color

40.2108, 0.3414, 0.3817

Protanomaly

40.2222, 0.3496, 0.3794

Deuteranomaly

40.0084, 0.3589, 0.3698

Tritanomaly

40.0549, 0.3216, 0.3359

Monochromacy



Original Color

40.2108, 0.3414, 0.3817

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.5848, 0.3237, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2108, 0.3414, 0.3817 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(170, 173, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 173, 136)  
}
```

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(170, 173, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 173, 136) }
```

Border

The CSS property to change the border of an element to Yxy 40.2108, 0.3414, 0.3817 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(170, 173, 136) }
```

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

```
.border{ border-color:rgb(170, 173, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 173, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 173, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 173, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 173,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2108, 0.3414, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 173, 136) }
```

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

```
.background{ background-color: rgb(170,  
173, 136) }
```

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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