

Converting Colors

$Y_{xy}(23.8711, 0.3415, 0.3408)$

Have a look what the booklet for
Yxy(23.8711, 0.3415, 0.3408)
contains.

Yxy(23.9837, 0.3405, 0.3407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9837, 0.3405, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	94837C
RGB	148, 131, 124
RGB Percent	58%, 51%, 49%
CMY	0.4196, 0.4863, 0.5136
CMYK	0.00, 0.11, 0.16, 0.42
HSL	17°, 10%, 53%
HSV	17°, 16%, 58%
XYZ	23.9696, 23.9837, 22.4420
YIQ	135.2850, 12.3790, 1.4270

Conversions

Conversions Part 2

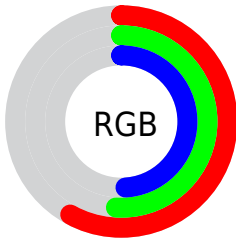
Format	Color
R_{YB}	148, 134, 124
Decimal	9732988
CIE _{Lab}	56.07, 5.24, 6.12
CIE _{LCh}	56, 8.060, 49.417
Yxy	23.9837, 0.3405, 0.3407
Android (android.graphics.Color)	4287923068 (0xFF94837C)
YUV	135.2850, -5.5635, 11.1511
Hunter-Lab	48.9732, 1.6627, 7.1115

Details

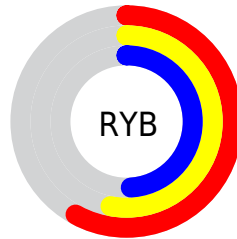
The Yxy color $23.9837, 0.3405, 0.3407$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.4856, 0.2885, 0.3170$, and the grayscale version is $24.3589, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9721, 0.3346, 0.3390$, and $9.0840, 0.3515, 0.3464$ is the 20% darker color. If you saturate the color by 10%, you get $20.9595, 0.3618, 0.3484$, and if you desaturate by 10%, it is $27.3520, 0.3225, 0.3333$.

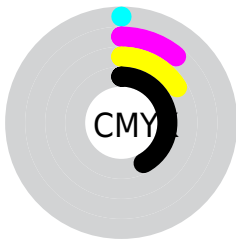
Distribution



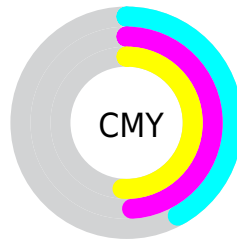
- Red (58%)
- Green (51%)
- Blue (49%)



- Red (58%)
- Yellow (53%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (16%)
- Black (42%)





- Cyan (42%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9837, 0.3405, 0.3407 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 23.9837, 0.3405, 0.3407 by changing the saturation by 10% instead.


 23.9837, 0.3405,
0.3407


 23.9837, 0.3405,
0.3407


272.7381, 0.3250,
0.3344


 15.3215, 0.3450,
0.3425


 50.0036, 0.3344,
0.3383

 9.0454, 0.3513,
0.3449


 68.1301, 0.3323,
0.3374

 4.7708, 0.3606,
0.3483

 90.1802, 0.3305,
0.3367

 2.1134, 0.3757,
0.3535

116.5383, 0.3291,
0.3361

 0.6721, 0.4400,
0.3856

147.5887, 0.3278,
0.3355

 0.0000, 0.0000,
0.0000

183.7159, 0.3267,

0.3351

225.3042, 0.3258,
0.3347

■ 23.9837, 0.3405,
0.3407

■ 23.9837, 0.3405,
0.3407

■ 20.9595, 0.3618,
0.3484

■ 27.3520, 0.3225,
0.3333

■ 18.2652, 0.3868,
0.3563

■ 31.0716, 0.3072,
0.3265

■ 15.8903, 0.4158,
0.3638

■ 35.1536, 0.2944,
0.3201

■ 13.8226, 0.4485,
0.3704

■ 39.6076, 0.2835,
0.3143

■ 12.0490, 0.4841,
0.3751

■ 44.4428, 0.2742,
0.3090

■ 10.5554, 0.5207,
0.3767

■ 49.6680, 0.2663,
0.3042

■ 9.3265, 0.5553,
0.3744

■ 55.2919, 0.2596,
0.2998

■ 8.3438, 0.5848,
0.3679

■ 61.3229, 0.2537,
0.2958

■ 8.0274, 0.5954,
0.3654

■ 67.6242, 0.2497,
0.2946

Harmonies

Analogous

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



23.9837, 0.3360, 0.3287



23.9837, 0.3405, 0.3407



23.9837, 0.3374, 0.3499

Triad

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



23.9837, 0.3405, 0.3407



23.9837, 0.3002, 0.3413



23.9837, 0.2977, 0.3052

Complementary

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



23.9837, 0.3405, 0.3407



25.4856, 0.2885, 0.3170

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.



23.9837, 0.2885, 0.3079



23.9837, 0.3405, 0.3407



23.9837, 0.2900, 0.3286

Square

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



23.9837, 0.3405, 0.3407



23.9837, 0.3139, 0.3506



23.9837, 0.2857, 0.3164



23.9837, 0.3110, 0.3086

Rectangle

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



23.9837, 0.3405, 0.3407



23.9837, 0.3314, 0.3532



23.9837, 0.2857, 0.3164



23.9837, 0.2940, 0.3054

Sweetspot

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



23.9848, 0.3405, 0.3407



48.9490, 0.3207, 0.3325



22.6474, 0.3221, 0.3009



11.0822, 0.3217, 0.3330



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.9848, 0.3405, 0.3407



40.5556, 0.3469, 0.3431



27.3417, 0.3375, 0.3598



6.0739, 0.3276, 0.3355



6.8979, 0.5943, 0.3663



0.1302, 0.5211, 0.4244

Inverse Universe

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



25.4856, 0.2885, 0.3170



43.6520, 0.2837, 0.3144



22.1839, 0.2876, 0.2962



6.2802, 0.2990, 0.3224



10.4984, 0.1983, 0.2339



0.1794, 0.2119, 0.2828

Previews

White Background



This preview shows how the Yxy color 23.9837, 0.3405, 0.3407 looks on a white background.

Color Contrast Check

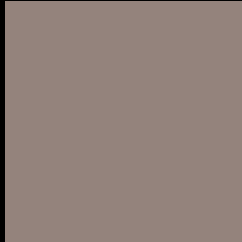
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9837, 0.3405, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

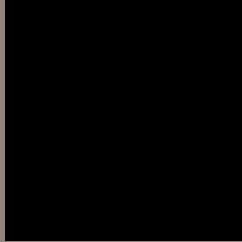
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9837, 0.3405, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 23.9837, 0.3405, 0.3407.



This preview shows how white text looks on a background with the Yxy color 23.9837, 0.3405, 0.3407.

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

23.9837, 0.3405, 0.3407

Protanopia

24.0455, 0.3270, 0.3427

Deuteranopia

23.9998, 0.3444, 0.3390



Tritanopia

24.0486, 0.3263, 0.3128

Trichromacy



Original Color

23.9837, 0.3405, 0.3407

Protanomaly

24.0065, 0.3318, 0.3426

Deuteranomaly

23.9045, 0.3432, 0.3390

Tritanomaly

24.0761, 0.3306, 0.3225

Monochromacy



Original Color

23.9837, 0.3405, 0.3407

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2643, 0.3227, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9837, 0.3405, 0.3407 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(148, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(148, 131, 124)  
}
```

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(148, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 131, 124) }
```

Border

The CSS property to change the border of an element to Yxy 23.9837, 0.3405, 0.3407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

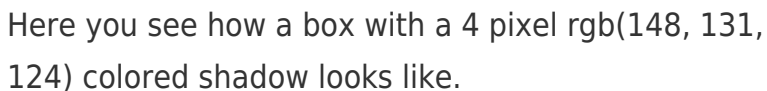
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 131, 124) }
```

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

```
.border{ border-color:rgb(148, 131, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 131, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 131, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 131, 124); box-shadow:4px 4px 4px 4px rgb(148, 131, 124) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.9837, 0.3405, 0.3407$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 131, 124) }
```

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

```
.background{ background-color: rgb(148,  
131, 124) }
```

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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