

Converting Colors

$Y_{xy}(23.8662, 0.3478, 0.3378)$

Have a look what the booklet for
Yxy(23.8662, 0.3478, 0.3378)
contains.

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Color

Yxy(23.9029, 0.3483, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	99817B
RGB	153, 129, 123
RGB Percent	60%, 51%, 48%
CMY	0.3999, 0.4941, 0.5176
CMYK	0.00, 0.16, 0.20, 0.40
HSL	12°, 13%, 54%
HSV	12°, 20%, 60%
XYZ	24.5659, 23.9029, 22.0620
YIQ	135.4920, 16.2300, 3.2220

Conversions

Conversions Part 2

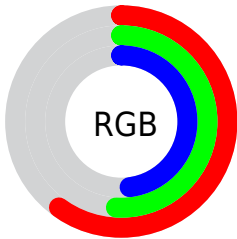
Format	Color
R_{YB}	153, 131, 123
Decimal	10060155
CIE Lab	55.99, 8.19, 6.65
CIE LCh	56, 10.551, 39.082
Yxy	23.9029, 0.3483, 0.3389
Android (android.graphics.Color)	4288250235 (0xFF99817B)
YUV	135.4920, -6.1586, 15.3545
Hunter-Lab	48.8906, 4.1318, 7.4686

Details

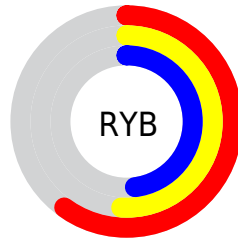
The Yxy color **23.9029, 0.3483, 0.3389** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.3926, 0.2836, 0.3189**, and the grayscale version is **24.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9609, 0.3411, 0.3376**, and **9.0565, 0.3636, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **20.5137, 0.3720, 0.3443**, and if you desaturate by 10%, it is **27.7412, 0.3285, 0.3337**.

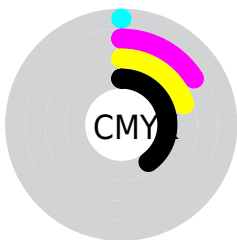
Distribution



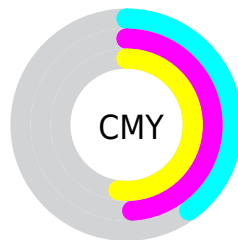
- Red (60%)
- Green (51%)
- Blue (48%)



- Red (60%)
- Yellow (51%)
- Blue (48%)



- Cyan (0%)
- Magenta (16%)
- Yellow (20%)
- Black (40%)




- Cyan (40%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9029, 0.3483, 0.3389 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 23.9029, 0.3483, 0.3389 by changing the saturation by 10% instead.


 23.9029, 0.3483,
0.3389


 23.9029, 0.3483,
0.3389


272.3292, 0.3284,
0.3336


 15.2616, 0.3541,
0.3403


 49.8717, 0.3405,
0.3369

 9.0032, 0.3622,
0.3422


 67.9680, 0.3377,
0.3362

 4.7433, 0.3742,
0.3447

 89.9848, 0.3355,
0.3356

 2.0974, 0.3937,
0.3484

116.3064, 0.3336,
0.3351

 0.6632, 0.4743,
0.3789

147.3172, 0.3320,
0.3346

 0.0000, 0.0000,
0.0000

183.4017, 0.3306,

0.3343

224.9442, 0.3295,
0.3339

■ 23.9029, 0.3483,
0.3389

■ 23.9029, 0.3483,
0.3389

■ 20.5137, 0.3720,
0.3443

■ 27.7412, 0.3285,
0.3337

■ 17.5540, 0.4003,
0.3497

■ 32.0410, 0.3121,
0.3288

■ 15.0074, 0.4333,
0.3547

■ 36.8181, 0.2985,
0.3243

■ 12.8554, 0.4707,
0.3586

■ 42.0866, 0.2871,
0.3202

■ 11.0778, 0.5109,
0.3606

■ 47.8601, 0.2776,
0.3165

■ 9.6528, 0.5509,
0.3598

■ 54.1515, 0.2696,
0.3131

■ 8.5560, 0.5864,
0.3557

■ 60.9735, 0.2628,
0.3100

■ 7.7545, 0.6146,
0.3496

■ 68.3381, 0.2570,
0.3073

■ 7.7285, 0.6156,
0.3494

■ 75.8822, 0.2547,
0.3110

Harmonies

Analogous

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



23.9029, 0.3391, 0.3231



23.9029, 0.3483, 0.3389



23.9029, 0.3476, 0.3527

Triad

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



23.9029, 0.3483, 0.3389



23.9029, 0.3021, 0.3502



23.9029, 0.2881, 0.2983

Complementary

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



23.9029, 0.3483, 0.3389



27.3926, 0.2836, 0.3189

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.



23.9029, 0.2789, 0.3044



23.9029, 0.3483, 0.3389



23.9029, 0.2868, 0.3343

Square

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



23.9029, 0.3483, 0.3389



23.9029, 0.3206, 0.3600



23.9029, 0.2784, 0.3174



23.9029, 0.3040, 0.3001

Rectangle

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



23.9029, 0.3483, 0.3389



23.9029, 0.3417, 0.3589



23.9029, 0.2784, 0.3174



23.9029, 0.2841, 0.2994

Sweetspot

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



23.9040, 0.3483, 0.3389



52.2585, 0.3225, 0.3319



23.0667, 0.3211, 0.2901



11.4427, 0.3234, 0.3322



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.9040, 0.3483, 0.3389



39.7457, 0.3593, 0.3415



28.0060, 0.3440, 0.3620



6.4122, 0.3278, 0.3335



6.4255, 0.6145, 0.3503



0.1388, 0.5496, 0.4018

Inverse Universe

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



27.3926, 0.2836, 0.3189



47.2751, 0.2766, 0.3161



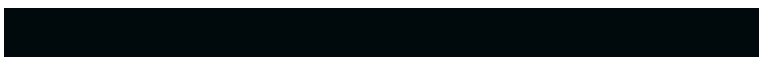
23.1555, 0.2821, 0.2937



6.8173, 0.2989, 0.3245



13.5545, 0.2070, 0.2653



0.2500, 0.2157, 0.2966

Previews

White Background



This preview shows how the Yxy color 23.9029, 0.3483, 0.3389 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 23.9029, 0.3483, 0.3389 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 23.9029, 0.3483, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 23.9029, 0.3483, 0.3389.



This preview shows how white text looks on a background with the Yxy color 23.9029, 0.3483, 0.3389.

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

23.9029, 0.3483, 0.3389

Protanopia

24.0455, 0.3270, 0.3427

Deuteranopia

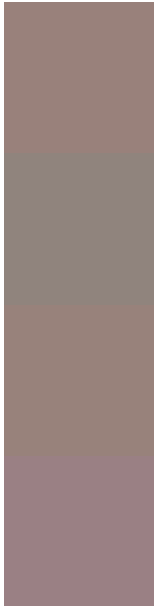
24.0707, 0.3468, 0.3406



Tritanopia

23.9534, 0.3349, 0.3131

Trichromacy



Original Color

23.9029, 0.3483, 0.3389

Protanomaly

23.9125, 0.3344, 0.3409

Deuteranomaly

24.0707, 0.3468, 0.3406

Tritanomaly

23.9743, 0.3392, 0.3226

Monochromacy



Original Color

23.9029, 0.3483, 0.3389

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.1645, 0.3252, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9029, 0.3483, 0.3389 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(153, 129, 123)` looks like.

```
.text, #text, p{  
    color:rgb(153, 129, 123)  
}
```

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(153, 129, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 129, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.9029, 0.3483, 0.3389 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(153, 129, 123) }
```

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

```
.border{ border-color:rgb(153, 129, 123) }
```

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

Here you see how a box with a 4 pixel rgb(153, 129, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 129, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 129, 123);  
box-shadow:4px 4px 4px 4px rgb(153, 129,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9029, 0.3483, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 129, 123) }
```

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

```
.background{ background-color: rgb(153,  
129, 123) }
```

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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