

Converting Colors

$Y_{xy}(23.6921, 0.3492, 0.3387)$

Have a look what the booklet for
Yxy(23.6921, 0.3492, 0.3387)
contains.

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Color

Yxy(23.6158, 0.3498, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	99807A
RGB	153, 128, 122
RGB Percent	60%, 50%, 48%
CMY	0.4000, 0.4980, 0.5217
CMYK	0.00, 0.16, 0.20, 0.40
HSL	12°, 13%, 54%
HSV	12°, 20%, 60%
XYZ	24.3682, 23.6158, 21.6792
YIQ	134.7910, 16.8260, 3.4340

Conversions

Conversions Part 2

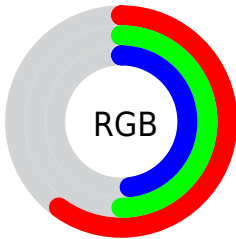
Format	Color
R_{YB}	153, 129, 122
Decimal	10059898
CIE _{Lab}	55.70, 8.58, 6.84
CIE _{LCh}	56, 10.971, 38.544
Yxy	23.6158, 0.3498, 0.3390
Android (android.graphics.Color)	4288249978 (0xFF99807A)
YUV	134.7910, -6.3060, 15.9693
Hunter-Lab	48.5961, 4.4644, 7.5674

Details

The Yxy color **23.6158, 0.3498, 0.3390** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.2963, 0.2826, 0.3188**, and the grayscale version is **24.1663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5136, 0.3422, 0.3376**, and **8.8397, 0.3641, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **20.2437, 0.3739, 0.3443**, and if you desaturate by 10%, it is **27.4405, 0.3298, 0.3339**.

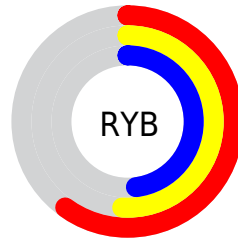
Distribution



Red (60%)

Green (50%)

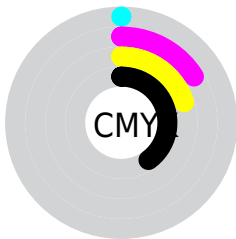
Blue (48%)



Red (60%)

Yellow (51%)

Blue (48%)

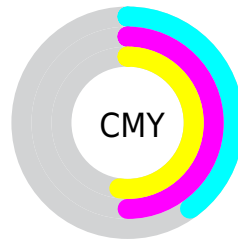


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (40%)



Cyan (40%)


Magenta (50%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6158, 0.3498, 0.3390 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 23.6158, 0.3498, 0.3390 by changing the saturation by 10% instead.

 23.6158, 0.3498,
0.3390


 23.6158, 0.3498,
0.3390


270.8723, 0.3290,
0.3337


 15.0489, 0.3559,
0.3404


 49.4025, 0.3416,
0.3370

 8.8537, 0.3644,
0.3423


 67.3911, 0.3388,
0.3363

 4.6459, 0.3770,
0.3448

 89.2890, 0.3364,
0.3357

 2.0410, 0.3975,
0.3484

115.4806, 0.3344,
0.3352

 0.6311, 0.4906,
0.3826

146.3504, 0.3328,
0.3347

 0.0000, 0.0000,
0.0000

182.2826, 0.3314,

0.3343

223.6618, 0.3301,
0.3340

■ 23.6158, 0.3498,
0.3390

■ 23.6158, 0.3498,
0.3390

■ 20.2437, 0.3739,
0.3443

■ 27.4405, 0.3298,
0.3339

■ 17.3044, 0.4025,
0.3496

■ 31.7305, 0.3131,
0.3291

■ 14.7811, 0.4360,
0.3543

■ 36.5020, 0.2993,
0.3247

■ 12.6547, 0.4738,
0.3580

■ 41.7693, 0.2878,
0.3207

■ 10.9048, 0.5144,
0.3598

■ 47.5462, 0.2782,
0.3170

■ 9.5088, 0.5544,
0.3588

■ 53.8459, 0.2701,
0.3137

■ 8.4419, 0.5895,
0.3544

■ 60.6812, 0.2633,
0.3107

■ 7.6870, 0.6166,
0.3486

■ 68.0645, 0.2574,
0.3080

■ 75.7024, 0.2546,
0.3106

Harmonies

Analogous

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



23.6158, 0.3400, 0.3225



23.6158, 0.3498, 0.3390



23.6158, 0.3493, 0.3535

Triad

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



23.6158, 0.3498, 0.3390



23.6158, 0.3020, 0.3514



23.6158, 0.2868, 0.2970

Complementary

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



23.6158, 0.3498, 0.3390



27.2963, 0.2826, 0.3188

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.



23.6158, 0.2773, 0.3034



23.6158, 0.3498, 0.3390



23.6158, 0.2859, 0.3349

Square

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



23.6158, 0.3498, 0.3390



23.6158, 0.3213, 0.3615



23.6158, 0.2770, 0.3171



23.6158, 0.3033, 0.2988

Rectangle

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



23.6158, 0.3498, 0.3390



23.6158, 0.3432, 0.3601



23.6158, 0.2770, 0.3171



23.6158, 0.2827, 0.2982

Sweetspot

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



23.6169, 0.3498, 0.3390



52.2324, 0.3225, 0.3319



22.8030, 0.3214, 0.2887



11.4364, 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.



23.6169, 0.3498, 0.3390



39.6613, 0.3594, 0.3412



27.8758, 0.3452, 0.3631



6.4073, 0.3279, 0.3334



6.3922, 0.6154, 0.3495



0.1374, 0.5513, 0.4005

Inverse Universe

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



27.2963, 0.2826, 0.3188



47.3798, 0.2766, 0.3164



22.8853, 0.2810, 0.2924



6.8226, 0.2989, 0.3246



13.7129, 0.2075, 0.2670



0.2514, 0.2160, 0.2975

Previews

White Background



This preview shows how the Yxy color 23.6158, 0.3498, 0.3390 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 23.6158, 0.3498, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

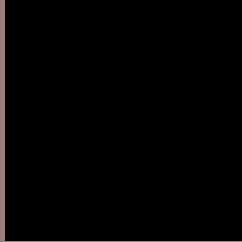
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6158, 0.3498, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 23.6158, 0.3498, 0.3390.



This preview shows how white text looks on a background with the Yxy color 23.6158, 0.3498, 0.3390.

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

23.6158, 0.3498, 0.3390

Protanopia

23.6590, 0.3271, 0.3428

Deuteranopia

23.6850, 0.3470, 0.3407



Tritanopia

23.6678, 0.3362, 0.3130

Trichromacy



Original Color

23.6158, 0.3498, 0.3390

Protanomaly

23.5275, 0.3345, 0.3410

Deuteranomaly

23.7811, 0.3482, 0.3406

Tritanomaly

23.6875, 0.3406, 0.3226

Monochromacy



Original Color

23.6158, 0.3498, 0.3390

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.8650, 0.3264, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6158, 0.3498, 0.3390 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, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 128, 122)  
}
```

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, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 128, 122) }
```

Border

The CSS property to change the border of an element to Yxy 23.6158, 0.3498, 0.3390 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, 128, 122) }
```

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

```
.border{ border-color:rgb(153, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 128, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 128, 122); box-shadow:4px 4px 4px 4px rgb(153, 128, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6158, 0.3498, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 128, 122) }
```

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

```
.background{ background-color: rgb(153,  
128, 122) }
```

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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