

Converting Colors

$Y_{xy}(23.3000, 0.3743, 0.3734)$

Have a look what the booklet for
Yxy(23.3000, 0.3743, 0.3734)
contains.

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Color

Yxy(23.1700, 0.3736, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	998066
RGB	153, 128, 102
RGB Percent	60%, 50%, 40%
CMY	0.4001, 0.4980, 0.6000
CMYK	0.00, 0.16, 0.33, 0.40
HSL	31°, 20%, 50%
HSV	31°, 33%, 60%
XYZ	23.2509, 23.1700, 15.8139
YIQ	132.5110, 23.2460, -2.7860

Conversions

Conversions Part 2

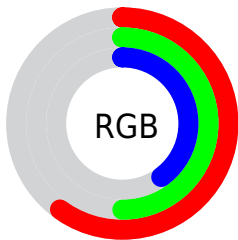
Format	Color
R_{YB}	151, 153, 102
Decimal	10059878
CIE _{Lab}	55.25, 5.61, 17.71
CIE _{LCh}	55, 18.577, 72.431
Yxy	23.1700, 0.3736, 0.3723
Android (android.graphics.Color)	4288249958 (0xFF998066)
YUV	132.5110, -15.0419, 17.9689
Hunter-Lab	48.1352, 1.9848, 14.2161

Details

The Yxy color $23.1700, 0.3736, 0.3723$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $20.2904, 0.2607, 0.2812$, and the grayscale version is $23.3175, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7576, 0.3602, 0.3637$, and $8.6345, 0.3969, 0.3872$ is the 20% darker color. If you saturate the color by 10%, you get $21.0124, 0.3967, 0.3856$, and if you desaturate by 10%, it is $25.5301, 0.3527, 0.3588$.

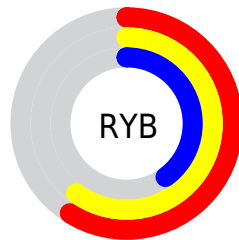
Distribution



Red (60%)

Green (50%)

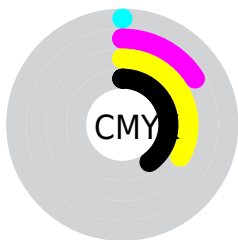
Blue (40%)



Red (59%)

Yellow (60%)

Blue (40%)

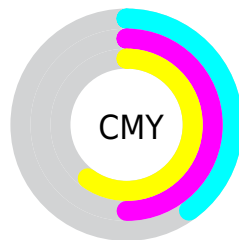


Cyan (0%)

Magenta (16%)

Yellow (33%)

Black (40%)



Cyan (40%)


Magenta (50%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1700, 0.3736, 0.3723 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 23.1700, 0.3736, 0.3723 by changing the saturation by 10% instead.


 23.1700, 0.3736,
0.3723


 23.1700, 0.3736,
0.3723


268.5969, 0.3396,
0.3488


 14.7191, 0.3835,
0.3788


 48.6723, 0.3603,
0.3633


 8.6225, 0.3970,
0.3874


 66.4925, 0.3556,
0.3600

 4.4958, 0.4166,
0.3993

 88.2046, 0.3517,
0.3573

 1.9546, 0.4512,
0.4200

 114.1929, 0.3485,
0.3551

 0.5809, 0.5426,
0.4574

144.8419, 0.3457,
0.3531

 0.0000, 0.0000,
0.0000

180.5360, 0.3434,

0.3515

221.6596, 0.3413,
0.3500

■ 23.1700, 0.3736,
0.3723

■ 23.1700, 0.3736,
0.3723

■ 21.0124, 0.3967,
0.3856

■ 25.5301, 0.3527,
0.3588

■ 19.0478, 0.4217,
0.3978

■ 28.0952, 0.3341,
0.3456

■ 17.2707, 0.4480,
0.4081

■ 30.8720, 0.3177,
0.3330

■ 15.6741, 0.4744,
0.4153

■ 33.8659, 0.3033,
0.3212

■ 14.2501, 0.4995,
0.4183

■ 37.0818, 0.2908,
0.3102

■ 12.9901, 0.5217,
0.4161

■ 40.5249, 0.2798,
0.3001

■ 12.2300, 0.5356,
0.4129

■ 44.1997, 0.2701,
0.2908

■ 48.1108, 0.2617,
0.2823

■ 52.2628, 0.2543,
0.2745

Harmonies

Analogous

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



23.1700, 0.3773, 0.3482



23.1700, 0.3736, 0.3723



23.1700, 0.3531, 0.3864

Triad

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



23.1700, 0.3736, 0.3723



23.1700, 0.2648, 0.3344



23.1700, 0.3004, 0.2803

Complementary

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



23.1700, 0.3736, 0.3723



20.2904, 0.2607, 0.2812

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.



23.1700, 0.2719, 0.2752



23.1700, 0.3736, 0.3723



23.1700, 0.2522, 0.3043

Square

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



23.1700, 0.3736, 0.3723



23.1700, 0.2901, 0.3647



23.1700, 0.2548, 0.2833



23.1700, 0.3338, 0.2968

Rectangle

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



23.1700, 0.3736, 0.3723



23.1700, 0.3332, 0.3870



23.1700, 0.2548, 0.2833



23.1700, 0.2900, 0.2772

Sweetspot

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



23.1711, 0.3736, 0.3723



51.8482, 0.3288, 0.3416



17.8157, 0.3502, 0.2869



11.3103, 0.3309, 0.3433



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.



23.1711, 0.3736, 0.3723



38.5913, 0.3906, 0.3822



30.5050, 0.3615, 0.4097



6.7177, 0.3271, 0.3404



10.1778, 0.5345, 0.4138



0.2249, 0.4764, 0.4600

Inverse Universe

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



20.2904, 0.2607, 0.2812



32.6192, 0.2488, 0.2684



14.6238, 0.2548, 0.2332



6.5006, 0.2989, 0.3174



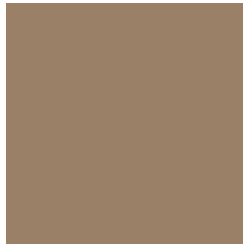
6.1166, 0.1772, 0.1580



0.1639, 0.1984, 0.2344

Previews

White Background



This preview shows how the Yxy color 23.1700, 0.3736, 0.3723 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 23.1700, 0.3736, 0.3723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

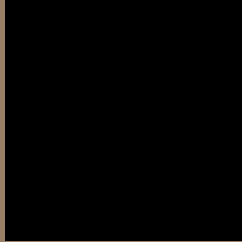
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1700, 0.3736, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 23.1700, 0.3736, 0.3723.



This preview shows how white text looks on a background with the Yxy color 23.1700, 0.3736, 0.3723.

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

23.1700, 0.3736, 0.3723

Protanopia

23.1647, 0.3544, 0.3778

Deuteranopia

23.1066, 0.3767, 0.3703



Tritanopia

23.1767, 0.3414, 0.3146

Trichromacy



Original Color

23.1700, 0.3736, 0.3723

Protanomaly

23.2316, 0.3610, 0.3770

Deuteranomaly

23.0081, 0.3754, 0.3705

Tritanomaly

23.0409, 0.3532, 0.3340

Monochromacy



Original Color

23.1700, 0.3736, 0.3723

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2132, 0.3332, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1700, 0.3736, 0.3723 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(153, 128, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 128, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.1700, 0.3736, 0.3723 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, 102) }
```

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

```
.border{ border-color:rgb(153, 128, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 128, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 128, 102);  
box-shadow:4px 4px 4px 4px rgb(153, 128,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1700, 0.3736, 0.3723 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, 102) }
```

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

```
.background{ background-color: rgb(153,  
128, 102) }
```

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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