

Converting Colors

$Y_{xy}(23.8328, 0.3772, 0.3733)$

Have a look what the booklet for
Yxy(23.8328, 0.3772, 0.3733)
contains.

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Color

Yxy(23.7277, 0.3769, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	9C8166
RGB	156, 129, 102
RGB Percent	61%, 51%, 40%
CMY	0.3881, 0.4941, 0.6000
CMYK	0.00, 0.17, 0.35, 0.39
HSL	30°, 21%, 51%
HSV	30°, 35%, 61%
XYZ	23.9629, 23.7277, 15.8884
YIQ	133.9950, 24.7590, -2.6730

Conversions

Conversions Part 2

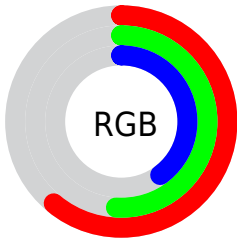
Format	Color
R _Y B	156, 156, 102
Decimal	10256742
CIE Lab	55.81, 6.32, 18.52
CIE LCh	56, 19.573, 71.152
Yxy	23.7277, 0.3769, 0.3732
Android (android.graphics.Color)	4288446822 (0xFF9C8166)
YUV	133.9950, -15.7735, 19.2984
Hunter-Lab	48.7111, 2.5669, 14.7588

Details

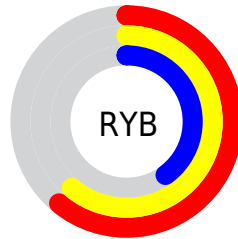
The Yxy color **23.7277, 0.3769, 0.3732** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.9374, 0.2587, 0.2801**, and the grayscale version is **23.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6047, 0.3627, 0.3646**, and **8.9562, 0.4016, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **21.4688, 0.4006, 0.3861**, and if you desaturate by 10%, it is **26.2043, 0.3555, 0.3600**.

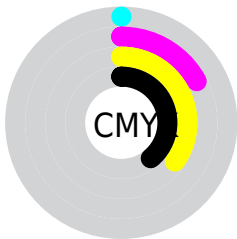
Distribution



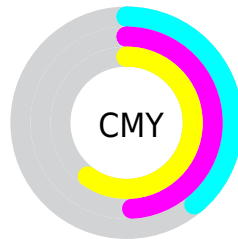
- Red (61%)
- Green (51%)
- Blue (40%)



- Red (61%)
- Yellow (61%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (35%)
- Black (39%)





- Cyan (39%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7277, 0.3769, 0.3732 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 23.7277, 0.3769, 0.3732 by changing the saturation by 10% instead.


 23.7277, 0.3769,
0.3732


 23.7277, 0.3769,
0.3732


271.4409, 0.3411,
0.3493

 15.1318, 0.3872,
0.3797


 49.5855, 0.3629,
0.3641


 8.9119, 0.4012,
0.3882


 67.6161, 0.3580,
0.3608

 4.6838, 0.4215,
0.3999

 89.5604, 0.3539,
0.3581

 2.0629, 0.4563,
0.4194

 115.8028, 0.3505,
0.3558

 0.6437, 0.5434,
0.4566

146.7276, 0.3477,
0.3538

 0.0000, 0.0000,
0.0000

182.7193, 0.3452,

0.3521

224.1623, 0.3430,
0.3506

■ 23.7277, 0.3769,
0.3732

■ 23.7277, 0.3769,
0.3732

■ 21.4688, 0.4006,
0.3861

■ 26.2043, 0.3555,
0.3600

■ 19.4176, 0.4262,
0.3980

■ 28.9016, 0.3365,
0.3470

■ 17.5678, 0.4530,
0.4077

■ 31.8269, 0.3197,
0.3345

■ 15.9118, 0.4799,
0.4142

■ 34.9860, 0.3051,
0.3228

■ 14.4409, 0.5053,
0.4162

■ 38.3845, 0.2923,
0.3119

■ 13.1454, 0.5275,
0.4130

■ 42.0278, 0.2811,
0.3019

■ 12.5118, 0.5389,
0.4103

■ 45.9209, 0.2713,
0.2927

■ 50.0690, 0.2628,
0.2843

■ 54.4769, 0.2553,
0.2766

Harmonies

Analogous

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



23.7277, 0.3800, 0.3477



23.7277, 0.3769, 0.3732



23.7277, 0.3560, 0.3887

Triad

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



23.7277, 0.3769, 0.3732



23.7277, 0.2635, 0.3360



23.7277, 0.2984, 0.2778

Complementary

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



23.7277, 0.3769, 0.3732



20.9374, 0.2587, 0.2801

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.



23.7277, 0.2691, 0.2729



23.7277, 0.3769, 0.3732



23.7277, 0.2498, 0.3043

Square

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



23.7277, 0.3769, 0.3732



23.7277, 0.2904, 0.3676



23.7277, 0.2518, 0.2819



23.7277, 0.3332, 0.2945

Rectangle

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



23.7277, 0.3769, 0.3732



23.7277, 0.3355, 0.3900



23.7277, 0.2518, 0.2819



23.7277, 0.2876, 0.2747

Sweetspot

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



23.7288, 0.3769, 0.3732



54.7720, 0.3288, 0.3414



18.1840, 0.3509, 0.2837



11.9018, 0.3310, 0.3430



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.7288, 0.3769, 0.3732



39.6857, 0.3962, 0.3839



31.5152, 0.3639, 0.4116



7.1661, 0.3272, 0.3402



10.3714, 0.5379, 0.4111



0.2700, 0.4812, 0.4561

Inverse Universe

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



20.9374, 0.2587, 0.2801



33.7923, 0.2456, 0.2661



14.9081, 0.2522, 0.2304



6.9562, 0.2988, 0.3175



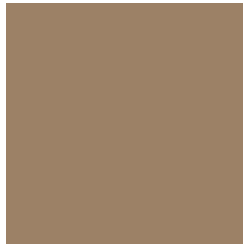
6.5426, 0.1782, 0.1613



0.2016, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 23.7277, 0.3769, 0.3732 looks on a white background.

Color Contrast Check

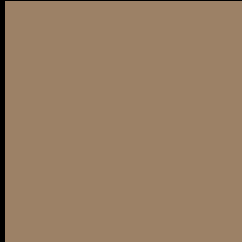
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7277, 0.3769, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

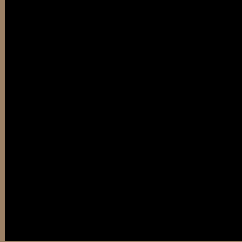
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7277, 0.3769, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 23.7277, 0.3769, 0.3732.



This preview shows how white text looks on a background with the Yxy color 23.7277, 0.3769, 0.3732.

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

23.7277, 0.3769, 0.3732

Protanopia

23.8893, 0.3561, 0.3806

Deuteranopia

23.5658, 0.3787, 0.3715



Tritanopia

23.7594, 0.3437, 0.3148

Trichromacy



Original Color

23.7277, 0.3769, 0.3732

Protanomaly

23.7777, 0.3642, 0.3780

Deuteranomaly

23.5658, 0.3787, 0.3715

Tritanomaly

23.5960, 0.3566, 0.3356

Monochromacy



Original Color

23.7277, 0.3769, 0.3732

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6585, 0.3353, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7277, 0.3769, 0.3732 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(156, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(156, 129, 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(156, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 129, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.7277, 0.3769, 0.3732 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(156, 129, 102) }
```

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

```
.border{ border-color:rgb(156, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(156, 129,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7277, 0.3769, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 129, 102) }
```

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

```
.background{ background-color: rgb(156,  
129, 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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