

Converting Colors

$Y_{xy}(23.0230, 0.3752, 0.3293)$

Have a look what the booklet for
Yxy(23.0230, 0.3752, 0.3293)
contains.

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Color

Yxy(23.0897, 0.3752, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	A87877
RGB	168, 120, 119
RGB Percent	66%, 47%, 47%
CMY	0.3411, 0.5294, 0.5333
CMYK	0.00, 0.29, 0.29, 0.34
HSL	1°, 22%, 56%
HSV	1°, 29%, 66%
XYZ	26.1967, 23.0897, 20.5343
YIQ	134.2380, 28.9290, 9.8650

Conversions

Conversions Part 2

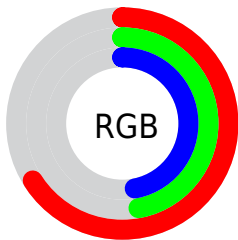
Format	Color
RYB	168, 120, 119
Decimal	11040887
CIELab	55.16, 18.65, 8.00
CIELCh	55, 20.293, 23.232
Yxy	23.0897, 0.3752, 0.3307
Android (android.graphics.Color)	4289230967 (0xFFA87877)
YUV	134.2380, -7.5123, 29.6093
Hunter-Lab	48.0517, 13.2236, 8.2994

Details

The Yxy color **23.0897, 0.3752, 0.3307** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.3979, 0.2712, 0.3273**, and the grayscale version is **23.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6747, 0.3612, 0.3315**, and **8.6062, 0.4002, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **19.0966, 0.4071, 0.3313**, and if you desaturate by 10%, it is **27.8373, 0.3492, 0.3301**.

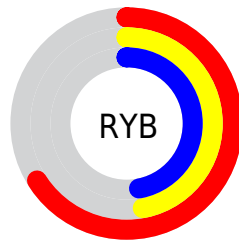
Distribution



Red (66%)

Green (47%)

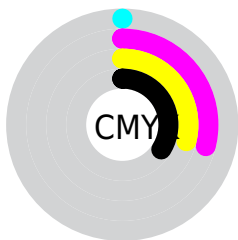
Blue (47%)



Red (66%)

Yellow (47%)

Blue (47%)

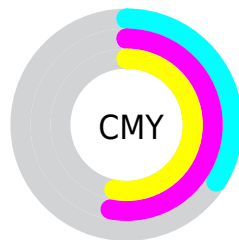


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (34%)



Cyan (34%)


Magenta (53%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0897, 0.3752, 0.3307 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 23.0897, 0.3752, 0.3307 by changing the saturation by 10% instead.


 23.0897, 0.3752,
0.3307


 23.0897, 0.3752,
0.3307


268.1854, 0.3400,
0.3304


 14.6598, 0.3856,
0.3305


 48.5406, 0.3613,
0.3308

 8.5809, 0.4000,
0.3299


 66.3303, 0.3565,
0.3308

 4.4689, 0.4215,
0.3286

 88.0087, 0.3525,
0.3307

 1.9391, 0.4565,
0.3252

113.9603, 0.3492,
0.3306

 0.5718, 0.6138,
0.3479

144.5693, 0.3463,
0.3306

 0.0000, 0.0000,
0.0000

180.2202, 0.3439,

0.3305

221.2975, 0.3418,
0.3305

■ 23.0897, 0.3752,
0.3307

■ 23.0897, 0.3752,
0.3307

■ 19.0966, 0.4071,
0.3313

■ 27.8373, 0.3492,
0.3301

■ 15.8160, 0.4453,
0.3319

■ 33.3719, 0.3283,
0.3295

■ 13.2071, 0.4892,
0.3323

■ 39.7282, 0.3114,
0.3290

■ 11.2235, 0.5360,
0.3325

■ 46.9377, 0.2979,
0.3285

■ 9.8128, 0.5803,
0.3323

■ 55.0304, 0.2869,
0.3280

■ 8.9143, 0.6151,
0.3317

■ 64.0347, 0.2779,
0.3276

■ 8.4319, 0.6368,
0.3312

■ 73.9778, 0.2706,
0.3273

■ 8.3987, 0.6384,
0.3313

■ 84.8859, 0.2645,
0.3270

■ 87.0657, 0.2642,
0.3289

Harmonies

Analogous

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



23.0897, 0.3482, 0.3027



23.0897, 0.3752, 0.3307



23.0897, 0.3843, 0.3599

Triad

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



23.0897, 0.3752, 0.3307



23.0897, 0.3100, 0.3841



23.0897, 0.2546, 0.2742

Complementary

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



23.0897, 0.3752, 0.3307



34.3979, 0.2712, 0.3273

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.



23.0897, 0.2459, 0.2921



23.0897, 0.3752, 0.3307



23.0897, 0.2767, 0.3569

Square

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



23.0897, 0.3752, 0.3307



23.0897, 0.3454, 0.3934



23.0897, 0.2537, 0.3222



23.0897, 0.2782, 0.2709

Rectangle

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



23.0897, 0.3752, 0.3307



23.0897, 0.3789, 0.3766



23.0897, 0.2537, 0.3222



23.0897, 0.2499, 0.2786

Sweetspot

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



23.0908, 0.3752, 0.3307



60.5456, 0.3283, 0.3295



24.3208, 0.3169, 0.2592



12.8703, 0.3310, 0.3296



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.0908, 0.3752, 0.3307



37.0474, 0.3952, 0.3311



29.7045, 0.3649, 0.3674



7.5655, 0.3285, 0.3295



6.3509, 0.6382, 0.3315



0.1618, 0.6296, 0.3383

Inverse Universe

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



34.3979, 0.2712, 0.3273



60.9494, 0.2633, 0.3269



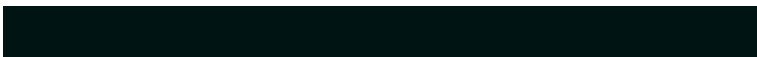
26.3046, 0.2670, 0.2872



8.5059, 0.2987, 0.3285



22.3669, 0.2230, 0.3228



0.5520, 0.2236, 0.3249

Previews

White Background



This preview shows how the Yxy color 23.0897, 0.3752, 0.3307 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 23.0897, 0.3752, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

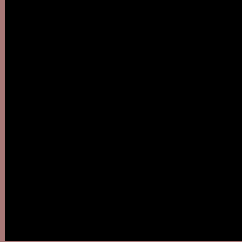
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0897, 0.3752, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 23.0897, 0.3752, 0.3307.



This preview shows how white text looks on a background with the Yxy color 23.0897, 0.3752, 0.3307.

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

23.0897, 0.3752, 0.3307

Protanopia

23.2174, 0.3249, 0.3412

Deuteranopia

23.3257, 0.3520, 0.3457



Tritanopia

23.1872, 0.3653, 0.3154

Trichromacy



Original Color

23.0897, 0.3752, 0.3307

Protanomaly

23.1643, 0.3425, 0.3375

Deuteranomaly

23.1433, 0.3606, 0.3405

Tritanomaly

23.1093, 0.3691, 0.3200

Monochromacy



Original Color

23.0897, 0.3752, 0.3307

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3965, 0.3329, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0897, 0.3752, 0.3307 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(168, 120, 119)` looks like.

```
.text, #text, p{  
    color:rgb(168, 120, 119)  
}
```

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(168, 120, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 120, 119) }
```

Border

The CSS property to change the border of an element to Yxy 23.0897, 0.3752, 0.3307 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(168, 120, 119) }
```

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

```
.border{ border-color:rgb(168, 120, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 120, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 120, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 120, 119);  
box-shadow:4px 4px 4px 4px rgb(168, 120,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0897, 0.3752, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 120, 119) }
```

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

```
.background{ background-color: rgb(168,  
120, 119) }
```

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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