

Converting Colors

$Y_{xy}(23.3251, 0.4092, 0.3793)$

Have a look what the booklet for
Yxy(23.3251, 0.4092, 0.3793)
contains.

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Color

Yxy(23.2461, 0.4089, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	A87B5B
RGB	168, 123, 91
RGB Percent	66%, 48%, 36%
CMY	0.3412, 0.5176, 0.6430
CMYK	0.00, 0.27, 0.46, 0.34
HSL	25°, 31%, 51%
HSV	25°, 46%, 66%
XYZ	25.1198, 23.2461, 13.0667
YIQ	132.8070, 37.0920, -0.4120

Conversions

Conversions Part 2

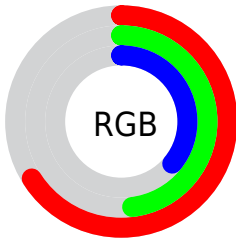
Format	Color
R_{YB}	168, 146, 91
Decimal	11041627
CIE _{Lab}	55.32, 13.44, 24.32
CIE _{LCh}	55, 27.787, 61.086
Yxy	23.2461, 0.4089, 0.3784
Android (android.graphics.Color)	4289231707 (0xFFA87B5B)
YUV	132.8070, -20.6109, 30.8643
Hunter-Lab	48.2142, 8.6243, 17.6815

Details

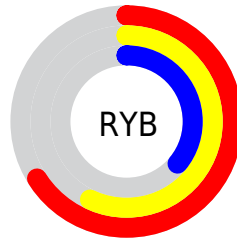
The Yxy color **23.2461, 0.4089, 0.3784** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.6658, 0.2427, 0.2724**, and the grayscale version is **23.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9813, 0.3884, 0.3702**, and **8.6644, 0.4450, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **20.6734, 0.4377, 0.3881**, and if you desaturate by 10%, it is **26.1304, 0.3827, 0.3676**.

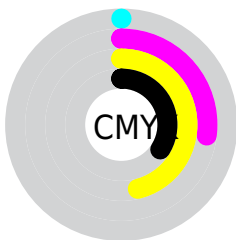
Distribution



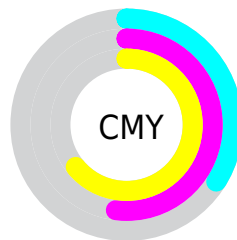
- Red (66%)
- Green (48%)
- Blue (36%)



- Red (66%)
- Yellow (57%)
- Blue (36%)



- Cyan (0%)
- Magenta (27%)
- Yellow (46%)
- Black (34%)





- Cyan (34%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2461, 0.4089, 0.3784 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 23.2461, 0.4089, 0.3784 by changing the saturation by 10% instead.


 23.2461, 0.4089,
0.3784


 23.2461, 0.4089,
0.3784


268.9865, 0.3552,
0.3529


 14.7753, 0.4242,
0.3846


 48.7971, 0.3880,
0.3691


 8.6619, 0.4449,
0.3922


 66.6461, 0.3805,
0.3656

 4.5213, 0.4741,
0.4011

 88.3900, 0.3744,
0.3626

 1.9692, 0.5404,
0.4277

 114.4132, 0.3693,
0.3601

 0.5895, 0.6013,
0.3987

145.1001, 0.3650,
0.3579

 0.0000, 0.0000,
0.0000

180.8350, 0.3613,

0.3560

222.0023, 0.3580,
0.3543

■ 23.2461, 0.4089,
0.3784

■ 23.2461, 0.4089,
0.3784

■ 20.6734, 0.4377,
0.3881

■ 26.1304, 0.3827,
0.3676

■ 18.3973, 0.4683,
0.3955

■ 29.3338, 0.3596,
0.3564

■ 16.4066, 0.4993,
0.3996

■ 32.8676, 0.3393,
0.3454

■ 14.6876, 0.5286,
0.3990

■ 36.7416, 0.3218,
0.3348

■ 13.2246, 0.5540,
0.3933

■ 40.9651, 0.3067,
0.3250

■ 12.6790, 0.5641,
0.3903

■ 45.5471, 0.2937,
0.3158

■ 50.4960, 0.2825,
0.3074

■ 55.8202, 0.2728,
0.2997

■ 61.5278, 0.2644,
0.2926

Harmonies

Analogous

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



23.2461, 0.4044, 0.3402



23.2461, 0.4089, 0.3784



23.2461, 0.3859, 0.4081

Triad

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



23.2461, 0.4089, 0.3784



23.2461, 0.2538, 0.3548



23.2461, 0.2765, 0.2537

Complementary

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



23.2461, 0.4089, 0.3784



22.6658, 0.2427, 0.2724

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.



23.2461, 0.2412, 0.2524



23.2461, 0.4089, 0.3784



23.2461, 0.2288, 0.3065

Square

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



23.2461, 0.4089, 0.3784



23.2461, 0.2955, 0.3981



23.2461, 0.2245, 0.2701



23.2461, 0.3245, 0.2717

Rectangle

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



23.2461, 0.4089, 0.3784



23.2461, 0.3593, 0.4174



23.2461, 0.2245, 0.2701



23.2461, 0.2629, 0.2513

Sweetspot

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



23.2472, 0.4089, 0.3784



60.7017, 0.3364, 0.3437



17.6234, 0.3596, 0.2595



12.9252, 0.3403, 0.3459



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.



23.2472, 0.4089, 0.3784



37.4320, 0.4383, 0.3883



34.3249, 0.3837, 0.4296



8.0352, 0.3276, 0.3384



9.6720, 0.5624, 0.3917



0.3369, 0.5047, 0.4375

Inverse Universe

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



22.6658, 0.2427, 0.2724



36.2114, 0.2283, 0.2570



13.9242, 0.2305, 0.2029



8.0017, 0.2987, 0.3194



8.8630, 0.1860, 0.1894



0.3131, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 23.2461, 0.4089, 0.3784 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 23.2461, 0.4089, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

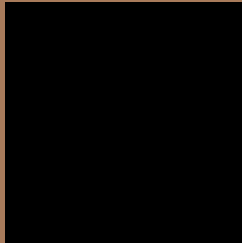
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2461, 0.4089, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 23.2461, 0.4089, 0.3784.



This preview shows how white text looks on a background with the Yxy color 23.2461, 0.4089, 0.3784.

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

23.2461, 0.4089, 0.3784

Protanopia

23.4409, 0.3665, 0.3945

Deuteranopia

23.2879, 0.3960, 0.3885



Tritanopia

23.1471, 0.3694, 0.3155

Trichromacy



Original Color

23.2461, 0.4089, 0.3784

Protanomaly

23.1841, 0.3812, 0.3873

Deuteranomaly

23.3413, 0.4004, 0.3861

Tritanomaly

23.1939, 0.3842, 0.3384

Monochromacy



Original Color

23.2461, 0.4089, 0.3784

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1195, 0.3456, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2461, 0.4089, 0.3784 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, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(168, 123, 91)  
}
```

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, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 123, 91) }
```

Border

The CSS property to change the border of an element to Yxy 23.2461, 0.4089, 0.3784 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, 123, 91) }
```

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

```
.border{ border-color:rgb(168, 123, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 123, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(168, 123,  
91) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2461, 0.4089, 0.3784$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 123, 91) }
```

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

```
.background{ background-color: rgb(168,  
123, 91) }
```

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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