

Converting Colors

$Y_{xy}(11.5833, 0.4223, 0.3603)$

Have a look what the booklet for
Yxy(11.5833, 0.4223, 0.3603)
contains.

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Color

Yxy(11.5833, 0.4223, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	835444
RGB	131, 84, 68
RGB Percent	51%, 33%, 27%
CMY	0.4862, 0.6706, 0.7333
CMYK	0.00, 0.36, 0.48, 0.49
HSL	15°, 32%, 39%
HSV	15°, 48%, 51%
XYZ	13.5765, 11.5833, 6.9892
YIQ	96.2290, 33.1480, 4.9880

Conversions

Conversions Part 2

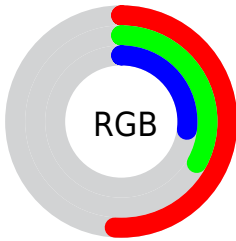
Format	Color
R_{YB}	131, 89, 68
Decimal	8606788
CIE _{Lab}	40.55, 17.64, 17.41
CIE _{LCh}	41, 24.785, 44.637
Yxy	11.5833, 0.4223, 0.3603
Android (android.graphics.Color)	4286796868 (0xFF835444)
YUV	96.2290, -13.9169, 30.4942
Hunter-Lab	34.0342, 11.6452, 11.6483

Details

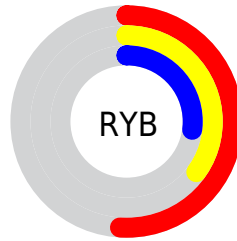
The Yxy color **11.5833, 0.4223, 0.3603** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.1375, 0.2450, 0.2940**, and the grayscale version is **11.7846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7503, 0.3938, 0.3546**, and **3.1187, 0.4805, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **10.0282, 0.4564, 0.3657**, and if you desaturate by 10%, it is **13.3873, 0.3922, 0.3539**.

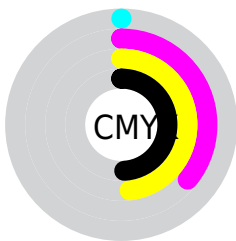
Distribution



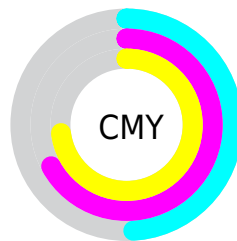
- Red (51%)
- Green (33%)
- Blue (27%)



- Red (51%)
- Yellow (35%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (48%)
- Black (49%)





- Cyan (49%)
- Magenta (67%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5833, 0.4223, 0.3603 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 11.5833, 0.4223, 0.3603 by changing the saturation by 10% instead.


 11.5833, 0.4223,
0.3603


 11.5833, 0.4223,
0.3603


201.6268, 0.3546,
0.3435

 6.4606, 0.4456,
0.3641


 28.7339, 0.3936,
0.3542


 3.1271, 0.4805,
0.3677

 41.5305, 0.3841,
0.3518


 1.1985, 0.5831,
0.3990

 57.6540, 0.3766,
0.3499

 0.0604, 0.8898,
0.1102

 77.4886, 0.3706,
0.3482

 0.0000, 0.0000,
0.0000

 101.4188, 0.3655,
0.3468

129.8290, 0.3613,

0.3455

163.1035, 0.3577,
0.3445

■ 11.5833, 0.4223,
0.3603

■ 11.5833, 0.4223,
0.3603

■ 10.0282, 0.4564,
0.3657

■ 13.3873, 0.3922,
0.3539

■ 8.7090, 0.4934,
0.3693

■ 15.4488, 0.3662,
0.3471

■ 7.6143, 0.5311,
0.3699


■ 17.7783, 0.3441,
0.3404

■ 6.7310, 0.5663,
0.3669

■ 20.3849, 0.3256,
0.3339

■ 6.0407, 0.5965,
0.3610


■ 23.2775, 0.3100,
0.3279

 5.9284, 0.6022,
0.3601

 26.4646, 0.2968,
0.3223

 29.9543, 0.2858,
0.3172

 33.7541, 0.2764,
0.3126

 37.8718, 0.2684,
0.3083

Harmonies

Analogous

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



11.5833, 0.3996, 0.3173



11.5833, 0.4223, 0.3603



11.5833, 0.4121, 0.4004

Triad

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



11.5833, 0.4223, 0.3603



11.5833, 0.2702, 0.3875



11.5833, 0.2482, 0.2420

Complementary

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



11.5833, 0.4223, 0.3603



15.1375, 0.2450, 0.2940

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.



11.5833, 0.2202, 0.2514



11.5833, 0.4223, 0.3603



11.5833, 0.2315, 0.3323

Square

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



11.5833, 0.4223, 0.3603



11.5833, 0.3225, 0.4238



11.5833, 0.2142, 0.2824



11.5833, 0.2951, 0.2524

Rectangle

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



11.5833, 0.4223, 0.3603



11.5833, 0.3895, 0.4201



11.5833, 0.2142, 0.2824



11.5833, 0.2365, 0.2428

Sweetspot

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



11.5839, 0.4223, 0.3603



33.5279, 0.3367, 0.3379



10.2056, 0.3442, 0.2415



7.6069, 0.3404, 0.3391



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



11.5839, 0.4223, 0.3603



17.6365, 0.4608, 0.3663



17.5673, 0.3933, 0.4171



4.8667, 0.3273, 0.3346



5.8373, 0.6020, 0.3602



0.0305, 0.5314, 0.4162

Inverse Universe

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



15.1375, 0.2450, 0.2940



24.7709, 0.2320, 0.2842



9.1713, 0.2319, 0.2207



5.0842, 0.2992, 0.3234



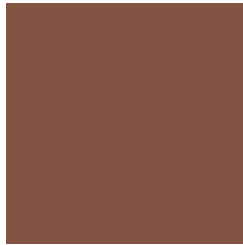
10.1724, 0.2020, 0.2472



0.0469, 0.2138, 0.2895

Previews

White Background



This preview shows how the Yxy color 11.5833, 0.4223, 0.3603 looks on a white 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

Black Background



This preview shows how the Yxy color 11.5833, 0.4223, 0.3603 looks on a black 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

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

Yxy 11.5833, 0.4223, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 11.5833, 0.4223, 0.3603.



This preview shows how white text looks on a background with the Yxy color 11.5833, 0.4223, 0.3603.

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

11.5833, 0.4223, 0.3603

Protanopia

11.7303, 0.3576, 0.3821

Deuteranopia

11.6250, 0.3897, 0.3855



Tritanopia

11.5595, 0.3940, 0.3177

Trichromacy



Original Color

11.5833, 0.4223, 0.3603

Protanomaly

11.6199, 0.3801, 0.3751

Deuteranomaly

11.5431, 0.4009, 0.3752

Tritanomaly

11.5193, 0.4044, 0.3332

Monochromacy



Original Color

11.5833, 0.4223, 0.3603

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5774, 0.3494, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5833, 0.4223, 0.3603 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(131, 84, 68)` looks like.

```
.text, #text, p{  
    color:rgb(131, 84, 68)  
}
```

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(131, 84, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 84, 68) }
```

Border

The CSS property to change the border of an element to Yxy 11.5833, 0.4223, 0.3603 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(131, 84, 68) }
```

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

```
.border{ border-color:rgb(131, 84, 68) }
```

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

Here you see how a box with a 4 pixel rgb(131, 84, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 84, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 84, 68);  
box-shadow:4px 4px 4px 4px rgb(131, 84,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5833, 0.4223, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 84, 68) }
```

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

```
.background{ background-color: rgb(131, 84,  
68) }
```

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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