

Converting Colors

$Y_{xy}(10.2564, 0.4411, 0.3302)$

Have a look what the booklet for
Yxy(10.2564, 0.4411, 0.3302)
contains.

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Color

$Y_{xy}(10.2670, 0.4412, 0.3312)$

Conversions

Conversions Part 1

Format	Color
Hex	894746
RGB	137, 71, 70
RGB Percent	54%, 28%, 27%
CMY	0.4627, 0.7216, 0.7255
CMYK	0.00, 0.48, 0.49, 0.46
HSL	1°, 32%, 41%
HSV	1°, 49%, 54%
XYZ	13.6769, 10.2670, 7.0555
YIQ	90.6200, 39.6570, 13.6810

Conversions

Conversions Part 2

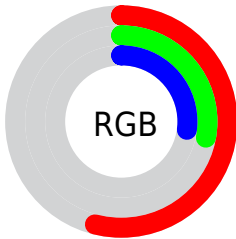
Format	Color
R_{YB}	137, 71, 70
Decimal	8996678
CIE Lab	38.32, 27.88, 13.32
CIE LCh	38, 30.902, 25.532
Yxy	10.2670, 0.4412, 0.3312
Android (android.graphics.Color)	4287186758 (0xFF894746)
YUV	90.6200, -10.1657, 40.6753
Hunter-Lab	32.0422, 20.1175, 9.3743




Details

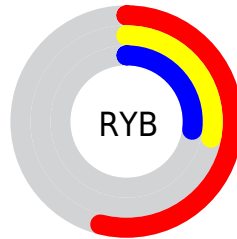
The Yxy color **10.2670, 0.4412, 0.3312** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **20.7229, 0.2500, 0.3268**, and the grayscale version is **10.3880, 0.3127, 0.3290**.




A 20% lighter version of the original color is **26.3202, 0.4066, 0.3334**, and **2.5714, 0.5127, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **8.5836, 0.4839, 0.3316**, and if you desaturate by 10%, it is **12.3724, 0.4041, 0.3308**.

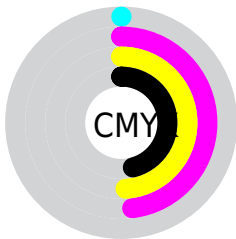
Distribution







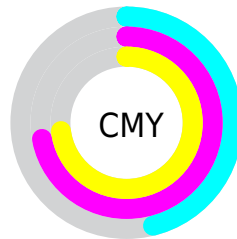
-  Red (54%)
-  Green (28%)
-  Blue (27%)






-  Red (54%)
-  Yellow (28%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (48%)
-  Yellow (49%)
-  Black (46%)





-  Cyan (46%)
-  Magenta (72%)
-  Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2670, 0.4412, 0.3312 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 10.2670, 0.4412, 0.3312 by changing the saturation by 10% instead.


 10.2670, 0.4412,
0.3312


 10.2670, 0.4412,
0.3312


192.5672, 0.3605,
0.3325

 5.5763, 0.4700,
0.3286

 26.2965, 0.4064,
0.3329


 2.5892, 0.5144,
0.3223

 38.4041, 0.3951,
0.3330


 0.9213, 0.6416,
0.3326

 53.7529, 0.3863,
0.3331

 0.0000, 1.0000,
0.0000

 72.7272, 0.3791,
0.3330

 0.0000, 0.0000,
0.0000

 95.7113, 0.3732,
0.3329

123.0898, 0.3683,

0.3328

155.2470, 0.3641,
0.3327

■ 10.2670, 0.4412,
0.3312

■ 10.2670, 0.4412,
0.3312

■ 8.5836, 0.4839,
0.3316

■ 12.3724, 0.4041,
0.3308

■ 7.2922, 0.5299,
0.3317

■ 14.9239, 0.3732,
0.3303

■ 6.3617, 0.5743,
0.3317

■ 17.9456, 0.3479,
0.3298

■ 5.7555, 0.6105,
0.3313

■ 21.4595, 0.3275,
0.3294

■ 5.3988, 0.6358,
0.3312

■ 25.4862, 0.3111,
0.3290

■ 5.3636, 0.6385,
0.3312

■ 30.0450, 0.2978,
0.3286

■ 35.1544, 0.2870,
0.3283

■ 40.8319, 0.2782,
0.3280

■ 47.0943, 0.2709,
0.3277

Harmonies

Analogous

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



10.2670, 0.3877, 0.2815



10.2670, 0.4412, 0.3312



10.2670, 0.4538, 0.3846

Triad

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



10.2670, 0.4412, 0.3312



10.2670, 0.2979, 0.4428



10.2670, 0.2058, 0.2234

Complementary

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



10.2670, 0.4412, 0.3312



20.7229, 0.2500, 0.3268

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.



10.2670, 0.1885, 0.2504



10.2670, 0.4412, 0.3312



10.2670, 0.2367, 0.3803

Square

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



10.2670, 0.4412, 0.3312



10.2670, 0.3667, 0.4599



10.2670, 0.1985, 0.3056



10.2670, 0.2493, 0.2221

Rectangle

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



10.2670, 0.4412, 0.3312



10.2670, 0.4382, 0.4183



10.2670, 0.1985, 0.3056



10.2670, 0.1971, 0.2293

Sweetspot

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



10.2675, 0.4412, 0.3312



34.2782, 0.3401, 0.3296



11.5066, 0.3181, 0.2150



7.4406, 0.3440, 0.3297



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.2675, 0.4412, 0.3312



15.0054, 0.4902, 0.3316



15.5635, 0.4099, 0.3908



5.0597, 0.3280, 0.3294



4.9967, 0.6385, 0.3312



0.0346, 0.6310, 0.3372

Inverse Universe

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



20.7229, 0.2500, 0.3268



36.0787, 0.2402, 0.3263



12.9105, 0.2370, 0.2562



5.6761, 0.2991, 0.3286



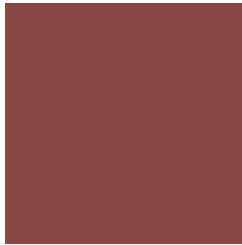
17.8173, 0.2234, 0.3244



0.1202, 0.2241, 0.3267

Previews

White Background



This preview shows how the Yxy color 10.2670, 0.4412, 0.3312 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 10.2670, 0.4412, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

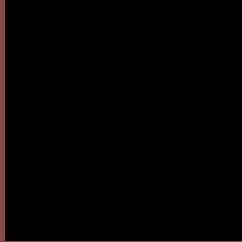
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2670, 0.4412, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 10.2670, 0.4412, 0.3312.

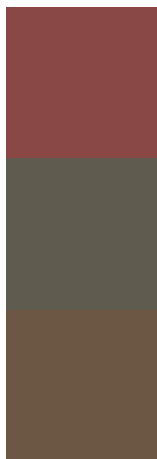


This preview shows how white text looks on a background with the Yxy color 10.2670, 0.4412, 0.3312.

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

10.2670, 0.4412, 0.3312

Protanopia

10.4796, 0.3375, 0.3583

Deuteranopia

10.3474, 0.3801, 0.3751



Tritanopia

10.2067, 0.4321, 0.3201

Trichromacy



Original Color

10.2670, 0.4412, 0.3312

Protanomaly

10.1774, 0.3721, 0.3472

Deuteranomaly

10.1538, 0.4029, 0.3571

Tritanomaly

10.1797, 0.4361, 0.3238

Monochromacy



Original Color

10.2670, 0.4412, 0.3312

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.1533, 0.3563, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2670, 0.4412, 0.3312 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(137, 71, 70)` looks like.

```
.text, #text, p{  
    color:rgb(137, 71, 70)  
}
```

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(137, 71, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 71, 70) }
```

Border

The CSS property to change the border of an element to Yxy 10.2670, 0.4412, 0.3312 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(137, 71, 70) }
```

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

```
.border{ border-color:rgb(137, 71, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 71, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 71, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 71, 70);  
box-shadow:4px 4px 4px 4px rgb(137, 71,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2670, 0.4412, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 71, 70) }
```

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

```
.background{ background-color: rgb(137, 71,  
70) }
```

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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