

Converting Colors

$Y_{xy}(13.7890, 0.4882, 0.3323)$

Have a look what the booklet for
Yxy(13.7890, 0.4882, 0.3323)
contains.

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Color

Yxy(13.7349, 0.4891, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	AB4846
RGB	171, 72, 70
RGB Percent	67%, 28%, 27%
CMY	0.3295, 0.7176, 0.7254
CMYK	0.00, 0.58, 0.59, 0.33
HSL	1°, 42%, 47%
HSV	1°, 59%, 67%
XYZ	20.2159, 13.7349, 7.3820
YIQ	101.3730, 59.6460, 20.3660

Conversions

Conversions Part 2

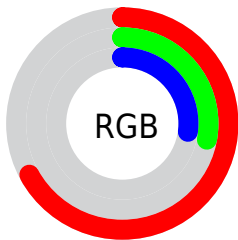
Format	Color
R_{YB}	171, 72, 70
Decimal	11225158
CIE _{Lab}	43.85, 40.49, 21.64
CIE _{LCh}	44, 45.905, 28.123
Yxy	13.7349, 0.4891, 0.3323
Android (android.graphics.Color)	4289415238 (0xFFAB4846)
YUV	101.3730, -15.4669, 61.0629
Hunter-Lab	37.0606, 32.5124, 14.1326

Details

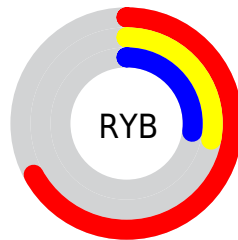
The Yxy color **13.7349, 0.4891, 0.3323** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **32.6130, 0.2401, 0.3254**, and the grayscale version is **13.1462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7122, 0.4463, 0.3362**, and **4.0225, 0.5698, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **11.6695, 0.5359, 0.3325**, and if you desaturate by 10%, it is **16.4539, 0.4452, 0.3319**.

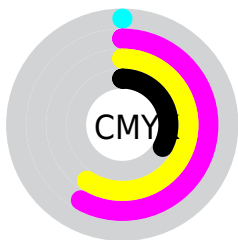
Distribution



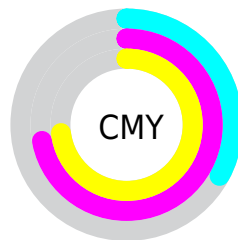
- Red (67%)
- Green (28%)
- Blue (27%)



- Red (67%)
- Yellow (28%)
- Blue (27%)



- Cyan (0%)
- Magenta (58%)
- Yellow (59%)
- Black (33%)




- Cyan (33%)
- Magenta (72%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7349, 0.4891, 0.3323 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 13.7349, 0.4891, 0.3323 by changing the saturation by 10% instead.


 13.7349, 0.4891,
0.3323


 13.7349, 0.4891,
0.3323


215.5753, 0.3830,
0.3358

 7.9365, 0.5228,
0.3277


 32.6179, 0.4454,
0.3357


 4.0544, 0.5705,
0.3181

 46.4713, 0.4306,
0.3362


 1.7040, 0.6642,
0.3075

 63.7785, 0.4188,
0.3364

 0.4263, 0.7813,
0.2187

 84.9239, 0.4090,
0.3364

 0.0000, 1.0000,
0.0000

 110.2919, 0.4009,
0.3363

 0.0000, 0.0000,
0.0000

140.2669, 0.3940,

0.3362

175.2332, 0.3881,
0.3360

■ 13.7349, 0.4891,
0.3323

■ 13.7349, 0.4891,
0.3323

■ 11.6695, 0.5359,
0.3325

■ 16.4539, 0.4452,
0.3319

■ 10.2010, 0.5803,
0.3323

■ 19.8728, 0.4069,
0.3313

■ 9.2664, 0.6152,
0.3316

■ 24.0362, 0.3750,
0.3307

■ 8.7681, 0.6367,
0.3312

■ 28.9844, 0.3490,
0.3301

■ 8.7302, 0.6385,
0.3312

■ 34.7548, 0.3281,
0.3295

■ 41.3825, 0.3113,
0.3290

■ 48.9003, 0.2977,
0.3285

■ 57.3396, 0.2868,
0.3280

■ 66.7300, 0.2778,
0.3277

Harmonies

Analogous

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



13.7349, 0.4209, 0.2710



13.7349, 0.4891, 0.3323



13.7349, 0.4964, 0.3989

Triad

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



13.7349, 0.4891, 0.3323



13.7349, 0.2810, 0.4833



13.7349, 0.1790, 0.1917

Complementary

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



13.7349, 0.4891, 0.3323



32.6130, 0.2401, 0.3254

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.



13.7349, 0.1552, 0.2196



13.7349, 0.4891, 0.3323



13.7349, 0.2055, 0.3891

Square

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



13.7349, 0.4891, 0.3323



13.7349, 0.3700, 0.5063



13.7349, 0.1629, 0.2860



13.7349, 0.2350, 0.1942

Rectangle

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



13.7349, 0.4891, 0.3323



13.7349, 0.4696, 0.4435



13.7349, 0.1629, 0.2860



13.7349, 0.1676, 0.1973

Sweetspot

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



13.7357, 0.4891, 0.3323



52.6268, 0.3473, 0.3300



15.9146, 0.3213, 0.1954



11.1348, 0.3541, 0.3302



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.7357, 0.4891, 0.3323



19.9491, 0.5507, 0.3324



23.0631, 0.4374, 0.4055



8.0398, 0.3286, 0.3295



6.5916, 0.6382, 0.3314



0.1914, 0.6302, 0.3378

Inverse Universe

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



32.6130, 0.2401, 0.3254



56.8878, 0.2314, 0.3245



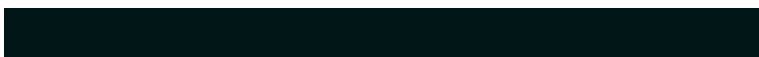
17.3927, 0.2198, 0.2323



9.0444, 0.2987, 0.3285



23.2295, 0.2230, 0.3228



0.6546, 0.2235, 0.3247

Previews

White Background



This preview shows how the Yxy color 13.7349, 0.4891, 0.3323 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 13.7349, 0.4891, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

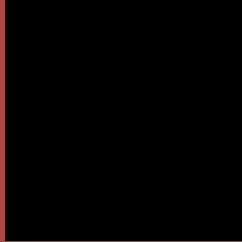
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7349, 0.4891, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 13.7349, 0.4891, 0.3323.



This preview shows how white text looks on a background with the Yxy color 13.7349, 0.4891, 0.3323.

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

13.7349, 0.4891, 0.3323

Protanopia

13.9202, 0.3503, 0.3721

Deuteranopia

13.9316, 0.4034, 0.3981



Tritanopia

13.6862, 0.4795, 0.3224

Trichromacy



Original Color

13.7349, 0.4891, 0.3323

Protanomaly

13.2054, 0.4000, 0.3543

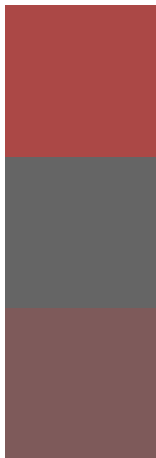
Deuteranomaly

13.4684, 0.4351, 0.3703

Tritanomaly

13.6588, 0.4831, 0.3253

Monochromacy



Original Color

13.7349, 0.4891, 0.3323

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4861, 0.3719, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7349, 0.4891, 0.3323 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(171, 72, 70)` looks like.

```
.text, #text, p{  
    color:rgb(171, 72, 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(171, 72, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 72, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.7349, 0.4891, 0.3323 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(171, 72, 70) }
```

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

```
.border{ border-color:rgb(171, 72, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 72, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 72, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 72, 70);  
box-shadow:4px 4px 4px 4px rgb(171, 72,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7349, 0.4891, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 72, 70) }
```

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

```
.background{ background-color: rgb(171, 72,  
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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