

Converting Colors

$Y_{xy}(12.1216, 0.4644, 0.3315)$

Have a look what the booklet for
Yxy(12.1216, 0.4644, 0.3315)
contains.

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Color

Yxy(12.1886, 0.4650, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	9B4947
RGB	155, 73, 71
RGB Percent	61%, 29%, 28%
CMY	0.3921, 0.7138, 0.7215
CMYK	0.00, 0.53, 0.54, 0.39
HSL	1°, 37%, 44%
HSV	1°, 54%, 61%
XYZ	17.0406, 12.1886, 7.4172
YIQ	97.2900, 49.5140, 16.7620

Conversions

Conversions Part 2

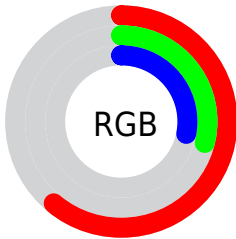
Format	Color
RYB	155, 73, 71
Decimal	10176839
CIELab	41.51, 34.03, 17.48
CIElCh	42, 38.258, 27.189
Yxy	12.1886, 0.4650, 0.3326
Android (android.graphics.Color)	4288366919 (0xFF9B4947)
YUV	97.2900, -12.9610, 50.6117
Hunter-Lab	34.9122, 26.0293, 11.8421

Details

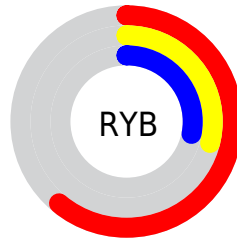
The Yxy color **12.1886, 0.4650, 0.3326** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.5030, 0.2443, 0.3252**, and the grayscale version is **12.0524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8933, 0.4263, 0.3355**, and **3.3493, 0.5414, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **10.2625, 0.5103, 0.3330**, and if you desaturate by 10%, it is **14.6508, 0.4243, 0.3320**.

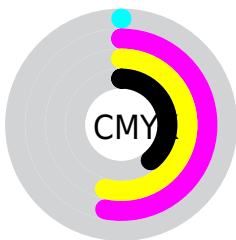
Distribution



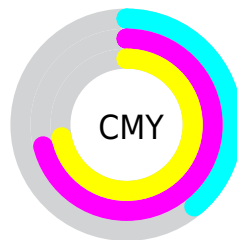
- Red (61%)
- Green (29%)
- Blue (28%)



- Red (61%)
- Yellow (29%)
- Blue (28%)



- Cyan (0%)
- Magenta (53%)
- Yellow (54%)
- Black (39%)





- Cyan (39%)
- Magenta (71%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1886, 0.4650, 0.3326 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 12.1886, 0.4650, 0.3326 by changing the saturation by 10% instead.


 12.1886, 0.4650,
0.3326


 12.1886, 0.4650,
0.3326


205.6499, 0.3716,
0.3344


 6.8723, 0.4963,
0.3292


 29.8381, 0.4257,
0.3348


 3.3823, 0.5422,
0.3217


 42.9401, 0.4127,
0.3351

 1.3344, 0.6431,
0.3174

 59.4061, 0.4023,
0.3351

 0.1676, 0.8563,
0.1437

 79.6205, 0.3939,
0.3351

 0.0000, 0.0000,
0.0000

 103.9677, 0.3869,
0.3349

132.8320, 0.3810,

0.3347

166.5980, 0.3760,
0.3346

■ 12.1886, 0.4650,
0.3326

■ 12.1886, 0.4650,
0.3326

■ 10.2625, 0.5103,
0.3330

■ 14.6508, 0.4243,
0.3320

■ 8.8309, 0.5564,
0.3329

■ 17.6829, 0.3897,
0.3313

■ 7.8493, 0.5971,
0.3325

■ 21.3182, 0.3612,
0.3306

■ 7.2641, 0.6256,
0.3315

■ 25.5867, 0.3380,
0.3299

■ 7.0498, 0.6380,
0.3316

■ 30.5167, 0.3194,
0.3293

■ 36.1345, 0.3044,
0.3287

■ 42.4651, 0.2922,
0.3281

■ 49.5324, 0.2824,
0.3277

■ 57.3589, 0.2743,
0.3272

Harmonies

Analogous

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



12.1886, 0.4044, 0.2768



12.1886, 0.4650, 0.3326



12.1886, 0.4751, 0.3929

Triad

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



12.1886, 0.4650, 0.3326



12.1886, 0.2894, 0.4618



12.1886, 0.1926, 0.2073

Complementary

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



12.1886, 0.4650, 0.3326



26.5030, 0.2443, 0.3252

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.



12.1886, 0.1717, 0.2347



12.1886, 0.4650, 0.3326



12.1886, 0.2210, 0.3841

Square

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



12.1886, 0.4650, 0.3326



12.1886, 0.3684, 0.4827



12.1886, 0.1804, 0.2956



12.1886, 0.2427, 0.2081

Rectangle

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



12.1886, 0.4650, 0.3326



12.1886, 0.4540, 0.4318



12.1886, 0.1804, 0.2956



12.1886, 0.1824, 0.2130

Sweetspot

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



12.1892, 0.4650, 0.3326



44.0937, 0.3425, 0.3300



13.7987, 0.3206, 0.2050



9.6417, 0.3467, 0.3302



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.1892, 0.4650, 0.3326



17.7719, 0.5200, 0.3330



19.5541, 0.4236, 0.3997



6.2448, 0.3283, 0.3296



5.6689, 0.6377, 0.3319



0.0902, 0.6261, 0.3411

Inverse Universe

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



26.5030, 0.2443, 0.3252



46.1145, 0.2351, 0.3242



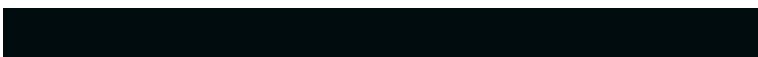
15.2107, 0.2276, 0.2427



7.0016, 0.2989, 0.3284



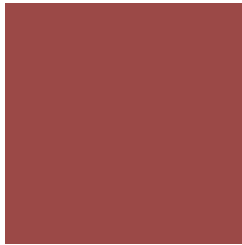
19.7767, 0.2227, 0.3217



0.3024, 0.2236, 0.3251

Previews

White Background



This preview shows how the Yxy color 12.1886, 0.4650, 0.3326 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 12.1886, 0.4650, 0.3326 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 12.1886, 0.4650, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 12.1886, 0.4650, 0.3326.

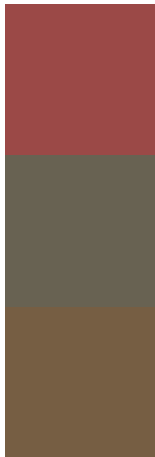


This preview shows how white text looks on a background with the Yxy color 12.1886, 0.4650, 0.3326.

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

12.1886, 0.4650, 0.3326

Protanopia

12.2876, 0.3449, 0.3654

Deuteranopia

12.2622, 0.3931, 0.3860



Tritanopia

12.1391, 0.4547, 0.3214

Trichromacy



Original Color

12.1886, 0.4650, 0.3326

Protanomaly

11.9058, 0.3876, 0.3519

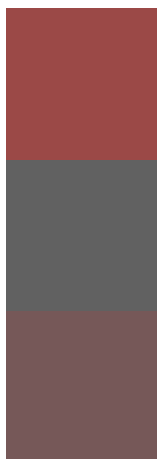
Deuteranomaly

11.8982, 0.4203, 0.3642

Tritanomaly

12.1113, 0.4585, 0.3246

Monochromacy



Original Color

12.1886, 0.4650, 0.3326

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5356, 0.3630, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1886, 0.4650, 0.3326 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(155, 73, 71)` looks like.

```
.text, #text, p{  
    color:rgb(155, 73, 71)  
}
```

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(155, 73, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 73, 71) }
```

Border

The CSS property to change the border of an element to Yxy 12.1886, 0.4650, 0.3326 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(155, 73, 71) }
```

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

```
.border{ border-color:rgb(155, 73, 71) }
```

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

Here you see how a box with a 4 pixel rgb(155, 73, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 73, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 73, 71);  
box-shadow:4px 4px 4px 4px rgb(155, 73,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1886, 0.4650, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 73, 71) }
```

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

```
.background{ background-color: rgb(155, 73,  
71) }
```

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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