

Converting Colors

$Y_{xy}(13.0156, 0.4267, 0.3197)$

Have a look what the booklet for
Yxy(13.0156, 0.4267, 0.3197)
contains.

Yxy(12.9885, 0.4253, 0.3191)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9885, 0.4253, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	975056
RGB	151, 80, 86
RGB Percent	59%, 31%, 34%
CMY	0.4079, 0.6863, 0.6626
CMYK	0.00, 0.47, 0.43, 0.41
HSL	355°, 31%, 45%
HSV	355°, 47%, 59%
XYZ	17.3112, 12.9885, 10.4038
YIQ	101.9130, 40.3900, 16.9180

Conversions

Conversions Part 2

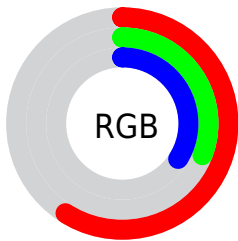
Format	Color
R_{YB}	151, 80, 86
Decimal	9916502
CIE _{Lab}	42.75, 30.21, 9.85
CIE _{LCh}	43, 31.773, 18.064
Yxy	12.9885, 0.4253, 0.3191
Android (android.graphics.Color)	4288106582 (0xFF975056)
YUV	101.9130, -7.8451, 43.0493
Hunter-Lab	36.0396, 22.6713, 8.1120

Details

The Yxy color **12.9885, 0.4253, 0.3191** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.8814, 0.2560, 0.3400**, and the grayscale version is **13.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4201, 0.3964, 0.3229**, and **3.7345, 0.4835, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **10.8192, 0.4645, 0.3176**, and if you desaturate by 10%, it is **15.6991, 0.3918, 0.3211**.

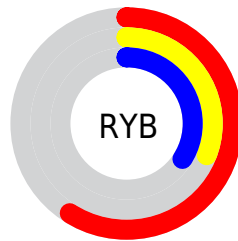
Distribution



Red (59%)

Green (31%)

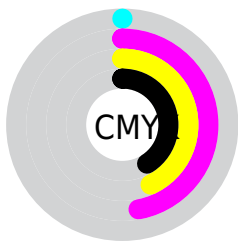
Blue (34%)



Red (59%)

Yellow (31%)

Blue (34%)

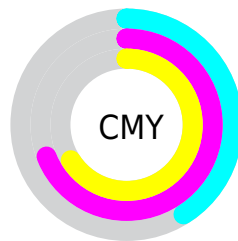


Cyan (0%)

Magenta (47%)

Yellow (43%)

Black (41%)



Cyan (41%)


Magenta (69%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9885, 0.4253, 0.3191 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 12.9885, 0.4253, 0.3191 by changing the saturation by 10% instead.


 12.9885, 0.4253,
0.3191

 12.9885, 0.4253,
0.3191


210.8440, 0.3567,
0.3269

 7.4206, 0.4485,
0.3153


 31.2831, 0.3965,
0.3230


 3.7265, 0.4831,
0.3087

 44.7787, 0.3869,
0.3241

 1.5218, 0.5401,
0.2953

 61.6855, 0.3793,
0.3249

 0.3040, 0.7738,
0.2262

 82.3882, 0.3731,
0.3255

 0.0000, 0.0000,
0.0000

 107.2709, 0.3680,
0.3259

136.7182, 0.3636,

0.3263

171.1144, 0.3599,
0.3266

■ 12.9885, 0.4253,
0.3191

■ 12.9885, 0.4253,
0.3191

■ 10.8192, 0.4645,
0.3176

■ 15.6991, 0.3918,
0.3211

■ 9.1530, 0.5081,
0.3171

■ 18.9820, 0.3641,
0.3233

■ 7.9499, 0.5525,
0.3178


■ 22.8679, 0.3415,
0.3255


■ 7.1631, 0.5921,
0.3201

■ 27.3851, 0.3233,
0.3276


■ 6.7171, 0.6216,
0.3234


■ 32.5598, 0.3087,
0.3296

 6.6076, 0.6286,
0.3237

 38.4169, 0.2968,
0.3314

 44.9800, 0.2871,
0.3330

 52.2715, 0.2792,
0.3345

 60.3129, 0.2727,
0.3359

Harmonies

Analogous

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



12.9885, 0.3676, 0.2732



12.9885, 0.4253, 0.3191



12.9885, 0.4481, 0.3703

Triad

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



12.9885, 0.4253, 0.3191



12.9885, 0.3154, 0.4452



12.9885, 0.2039, 0.2321

Complementary

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



12.9885, 0.4253, 0.3191



25.8814, 0.2560, 0.3400

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.



12.9885, 0.1937, 0.2650



12.9885, 0.4253, 0.3191



12.9885, 0.2534, 0.3949

Square

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



12.9885, 0.4253, 0.3191



12.9885, 0.3801, 0.4504



12.9885, 0.2103, 0.3239



12.9885, 0.2396, 0.2248

Rectangle

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



12.9885, 0.4253, 0.3191



12.9885, 0.4400, 0.4035



12.9885, 0.2103, 0.3239



12.9885, 0.1976, 0.2401

Sweetspot

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



12.9892, 0.4253, 0.3191



43.0546, 0.3362, 0.3261



13.8922, 0.3080, 0.2146



9.4347, 0.3401, 0.3256



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.9892, 0.4253, 0.3191



19.3408, 0.4650, 0.3176



17.9681, 0.4120, 0.3774



6.2308, 0.3271, 0.3271



5.6235, 0.6277, 0.3232



0.0860, 0.5740, 0.2936

Inverse Universe

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



12.9892, 0.4253, 0.3191



19.3408, 0.4650, 0.3176



18.0067, 0.2419, 0.2735



6.2308, 0.3271, 0.3271



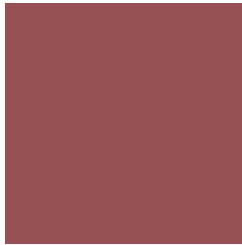
5.6235, 0.6277, 0.3232



0.0860, 0.5740, 0.2936

Previews

White Background



This preview shows how the Yxy color 12.9885, 0.4253, 0.3191 looks on a white background.

Color Contrast Check

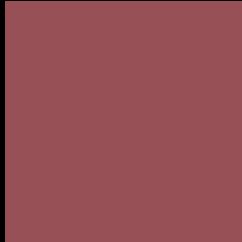
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9885, 0.4253, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

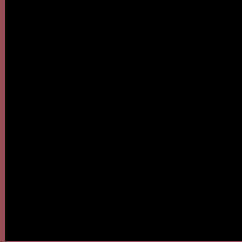
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9885, 0.4253, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 12.9885, 0.4253, 0.3191.



This preview shows how white text looks on a background with the Yxy color 12.9885, 0.4253, 0.3191.

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

12.9885, 0.4253, 0.3191

Protanopia

13.1135, 0.3226, 0.3379

Deuteranopia

13.2115, 0.3657, 0.3606



Tritanopia

12.9885, 0.4253, 0.3191

Trichromacy



Original Color

12.9885, 0.4253, 0.3191

Protanomaly

12.6840, 0.3575, 0.3291

Deuteranomaly

12.8681, 0.3877, 0.3430

Tritanomaly

12.9885, 0.4253, 0.3191

Monochromacy



Original Color

12.9885, 0.4253, 0.3191

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8430, 0.3507, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9885, 0.4253, 0.3191 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(151, 80, 86)` looks like.

```
.text, #text, p{  
    color:rgb(151, 80, 86)  
}
```

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(151, 80, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 80, 86) }
```

Border

The CSS property to change the border of an element to Yxy 12.9885, 0.4253, 0.3191 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(151, 80, 86) }
```

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

```
.border{ border-color:rgb(151, 80, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 80, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 80, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 80, 86);  
box-shadow:4px 4px 4px 4px rgb(151, 80,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9885, 0.4253, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 80, 86) }
```

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

```
.background{ background-color: rgb(151, 80,  
86) }
```

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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