

Converting Colors

$Y_{xy}(12.2091, 0.4346, 0.3171)$

Have a look what the booklet for
Yxy(12.2091, 0.4346, 0.3171)
contains.

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Color

Yxy(12.1407, 0.4332, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	964B53
RGB	150, 75, 83
RGB Percent	59%, 29%, 33%
CMY	0.4118, 0.7058, 0.6745
CMYK	0.00, 0.50, 0.45, 0.41
HSL	354°, 33%, 44%
HSV	354°, 50%, 59%
XYZ	16.6541, 12.1407, 9.6495
YIQ	98.3370, 42.1320, 18.3880

Conversions

Conversions Part 2

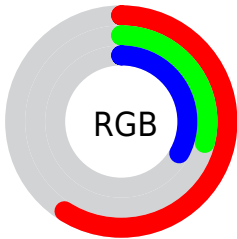
Format	Color
R_{YB}	150, 75, 83
Decimal	9849683
CIE Lab	41.44, 32.21, 9.86
CIE LCh	41, 33.684, 17.028
Yxy	12.1407, 0.4332, 0.3158
Android (android.graphics.Color)	4288039763 (0xFF964B53)
YUV	98.3370, -7.5611, 45.3085
Hunter-Lab	34.8435, 24.3410, 7.9708

Details

The Yxy color **12.1407, 0.4332, 0.3158** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.2594, 0.2545, 0.3440**, and the grayscale version is **12.3145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8531, 0.4024, 0.3216**, and **3.3655, 0.4994, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **10.1533, 0.4729, 0.3141**, and if you desaturate by 10%, it is **14.6491, 0.3989, 0.3182**.

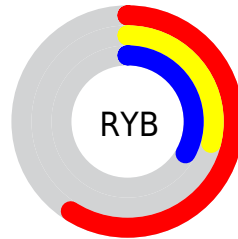
Distribution



Red (59%)

Green (29%)

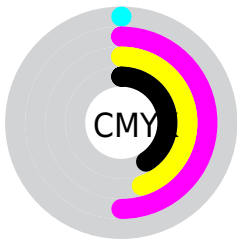
Blue (33%)



Red (59%)

Yellow (29%)

Blue (33%)

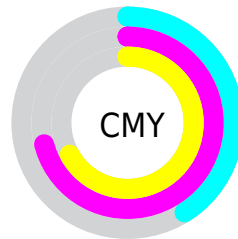


Cyan (0%)

Magenta (50%)

Yellow (45%)

Black (41%)



Cyan (41%)


Magenta (71%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1407, 0.4332, 0.3158 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 12.1407, 0.4332, 0.3158 by changing the saturation by 10% instead.


 12.1407, 0.4332,
0.3158


 12.1407, 0.4332,
0.3158


205.3345, 0.3592,
0.3258


 6.8396, 0.4586,
0.3111


 29.7511, 0.4019,
0.3207


 3.3620, 0.4968,
0.3028

 42.8292, 0.3916,
0.3221


 1.3235, 0.5628,
0.2875

 59.2683, 0.3834,
0.3232

 0.1593, 0.8553,
0.1447

 79.4530, 0.3767,
0.3240

 0.0000, 0.0000,
0.0000

 103.7676, 0.3712,
0.3246

132.5964, 0.3666,

0.3251

166.3239, 0.3626,
0.3255

■ 12.1407, 0.4332,
0.3158

■ 12.1407, 0.4332,
0.3158

■ 10.1533, 0.4729,
0.3141

■ 14.6491, 0.3989,
0.3182

■ 8.6484, 0.5163,
0.3137

■ 17.7096, 0.3703,
0.3209

■ 7.5854, 0.5595,
0.3150


■ 21.3532, 0.3469,
0.3237

■ 6.9160, 0.5971,
0.3183

■ 25.6079, 0.3280,
0.3265

■ 6.5210, 0.6250,
0.3217


■ 30.5000, 0.3127,
0.3290

 6.5207, 0.6250,
0.3217

 36.0542, 0.3003,
0.3313

 42.2941, 0.2903,
0.3335

 49.2418, 0.2821,
0.3354

 56.9185, 0.2753,
0.3372

Harmonies

Analogous

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



12.1407, 0.3693, 0.2675



12.1407, 0.4332, 0.3158



12.1407, 0.4591, 0.3701

Triad

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



12.1407, 0.4332, 0.3158



12.1407, 0.3172, 0.4572



12.1407, 0.1952, 0.2254

Complementary

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



12.1407, 0.4332, 0.3158



25.2594, 0.2545, 0.3440

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.



12.1407, 0.1853, 0.2611



12.1407, 0.4332, 0.3158



12.1407, 0.2503, 0.4035

Square

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



12.1407, 0.4332, 0.3158



12.1407, 0.3867, 0.4596



12.1407, 0.2036, 0.3254



12.1407, 0.2322, 0.2173

Rectangle

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



12.1407, 0.4332, 0.3158



12.1407, 0.4507, 0.4060



12.1407, 0.2036, 0.3254



12.1407, 0.1889, 0.2341

Sweetspot

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



12.1413, 0.4332, 0.3158



41.0766, 0.3375, 0.3250



12.9194, 0.3057, 0.2073



8.7930, 0.3412, 0.3245



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.1413, 0.4332, 0.3158



17.5604, 0.4780, 0.3140



16.8424, 0.4215, 0.3782



5.8248, 0.3266, 0.3267



5.4113, 0.6238, 0.3210



0.0682, 0.5587, 0.2852

Inverse Universe

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



12.1413, 0.4332, 0.3158



17.5604, 0.4780, 0.3140



17.4333, 0.2382, 0.2719



5.8248, 0.3266, 0.3267



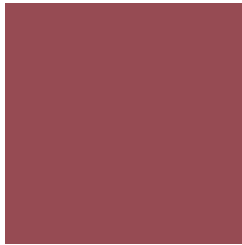
5.4113, 0.6238, 0.3210



0.0682, 0.5587, 0.2852

Previews

White Background



This preview shows how the Yxy color 12.1407, 0.4332, 0.3158 looks on a white background.

Color Contrast Check

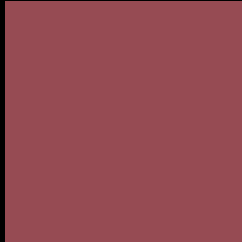
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1407, 0.4332, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

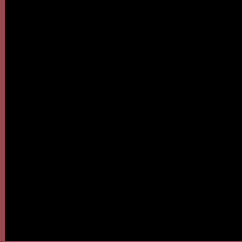
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1407, 0.4332, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 12.1407, 0.4332, 0.3158.



This preview shows how white text looks on a background with the Yxy color 12.1407, 0.4332, 0.3158.

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

12.1407, 0.4332, 0.3158

Protanopia

12.3283, 0.3214, 0.3358

Deuteranopia

12.1620, 0.3662, 0.3594



Tritanopia

12.1103, 0.4370, 0.3192

Trichromacy



Original Color

12.1407, 0.4332, 0.3158

Protanomaly

11.9896, 0.3588, 0.3270

Deuteranomaly

11.9225, 0.3906, 0.3413

Tritanomaly

12.1254, 0.4351, 0.3175

Monochromacy



Original Color

12.1407, 0.4332, 0.3158

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8846, 0.3522, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1407, 0.4332, 0.3158 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(150, 75, 83)` looks like.

```
.text, #text, p{  
    color:rgb(150, 75, 83)  
}
```

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(150, 75, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 75, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.1407, 0.4332, 0.3158 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(150, 75, 83) }
```

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

```
.border{ border-color:rgb(150, 75, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 75, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 75, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 75, 83);  
box-shadow:4px 4px 4px 4px rgb(150, 75,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1407, 0.4332, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 75, 83) }
```

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

```
.background{ background-color: rgb(150, 75,  
83) }
```

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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