

Converting Colors

$Y_{xy}(12.8330, 0.4550, 0.3216)$

Have a look what the booklet for
Yxy(12.8330, 0.4550, 0.3216)
contains.

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Color

Yxy(12.8330, 0.4550, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	9F4A4F
RGB	159, 74, 79
RGB Percent	62%, 29%, 31%
CMY	0.3765, 0.7097, 0.6903
CMYK	0.00, 0.53, 0.50, 0.38
HSL	356°, 36%, 46%
HSV	356°, 53%, 62%
XYZ	18.1561, 12.8330, 8.9145
YIQ	99.9850, 49.0550, 19.5750

Conversions

Conversions Part 2

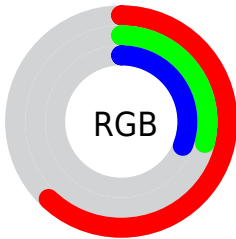
Format	Color
RYB	159, 74, 79
Decimal	10439247
CIELab	42.51, 35.76, 14.04
CIELCh	43, 38.415, 21.431
Yxy	12.8330, 0.4550, 0.3216
Android (android.graphics.Color)	4288629327 (0xFF9F4A4F)
YUV	99.9850, -10.3456, 51.7562
Hunter-Lab	35.8232, 27.7780, 10.3221

Details

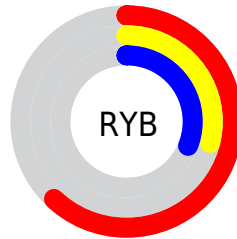
The Yxy color **12.8330, 0.4550, 0.3216** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.5826, 0.2488, 0.3378**, and the grayscale version is **12.7583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9775, 0.4189, 0.3257**, and **3.6582, 0.5252, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **10.7780, 0.4987, 0.3211**, and if you desaturate by 10%, it is **15.4750, 0.4163, 0.3227**.

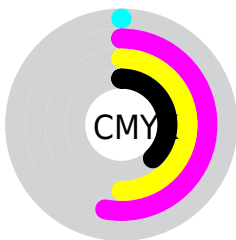
Distribution



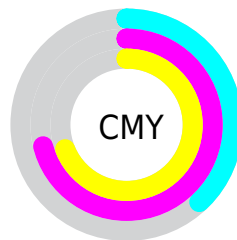
- Red (62%)
- Green (29%)
- Blue (31%)



- Red (62%)
- Yellow (29%)
- Blue (31%)



- Cyan (0%)
- Magenta (53%)
- Yellow (50%)
- Black (38%)




- Cyan (38%)
- Magenta (71%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8330, 0.4550, 0.3216 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 12.8330, 0.4550, 0.3216 by changing the saturation by 10% instead.


 12.8330, 0.4550,
0.3216


 12.8330, 0.4550,
0.3216


209.8446, 0.3682,
0.3291


 7.3136, 0.4839,
0.3171

 31.0034, 0.4186,
0.3259


 3.6590, 0.5266,
0.3086


 44.4233, 0.4066,
0.3269

 1.4847, 0.6015,
0.2941

 61.2455, 0.3969,
0.3277

 0.2779, 0.8084,
0.1916

 81.8543, 0.3891,
0.3282

 0.0000, 1.0000,
0.0000

 106.6343, 0.3825,
0.3285

 0.0000, 0.0000,
0.0000

135.9697, 0.3770,

0.3288

170.2450, 0.3723,
0.3290

■ 12.8330, 0.4550,
0.3216

■ 12.8330, 0.4550,
0.3216

■ 10.7780, 0.4987,
0.3211

■ 15.4750, 0.4163,
0.3227

■ 9.2633, 0.5443,
0.3214

■ 18.7418, 0.3837,
0.3241

■ 8.2387, 0.5862,
0.3228

■ 22.6707, 0.3570,
0.3256

■ 7.6434, 0.6181,
0.3252

■ 27.2952, 0.3353,
0.3271

■ 7.3902, 0.6327,
0.3259

■ 32.6469, 0.3179,
0.3285

■ 38.7550, 0.3039,
0.3298

■ 45.6474, 0.2925,
0.3310

■ 53.3506, 0.2833,
0.3321

■ 61.8897, 0.2758,
0.3331

Harmonies

Analogous

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



12.8330, 0.3879, 0.2679



12.8330, 0.4550, 0.3216



12.8330, 0.4754, 0.3810

Triad

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



12.8330, 0.4550, 0.3216



12.8330, 0.3047, 0.4689



12.8330, 0.1877, 0.2115

Complementary

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



12.8330, 0.4550, 0.3216



28.5826, 0.2488, 0.3378

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.



12.8330, 0.1725, 0.2448



12.8330, 0.4550, 0.3216



12.8330, 0.2333, 0.4006

Square

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



12.8330, 0.4550, 0.3216



12.8330, 0.3824, 0.4777



12.8330, 0.1871, 0.3115



12.8330, 0.2318, 0.2073

Rectangle

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



12.8330, 0.4550, 0.3216



12.8330, 0.4604, 0.4202



12.8330, 0.1871, 0.3115



12.8330, 0.1794, 0.2191

Sweetspot

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



12.8337, 0.4550, 0.3216



46.3930, 0.3410, 0.3267



14.2063, 0.3107, 0.2015



10.0931, 0.3451, 0.3264



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.8337, 0.4550, 0.3216



18.7568, 0.5067, 0.3210



19.1978, 0.4286, 0.3881



6.6521, 0.3275, 0.3277



5.8401, 0.6317, 0.3254



0.1061, 0.5941, 0.3046

Inverse Universe

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



12.8337, 0.4550, 0.3216



18.7568, 0.5067, 0.3210



17.9194, 0.2315, 0.2582



6.6521, 0.3275, 0.3277



5.8401, 0.6317, 0.3254



0.1061, 0.5941, 0.3046

Previews

White Background



This preview shows how the Yxy color 12.8330, 0.4550, 0.3216 looks on a white background.

Color Contrast Check

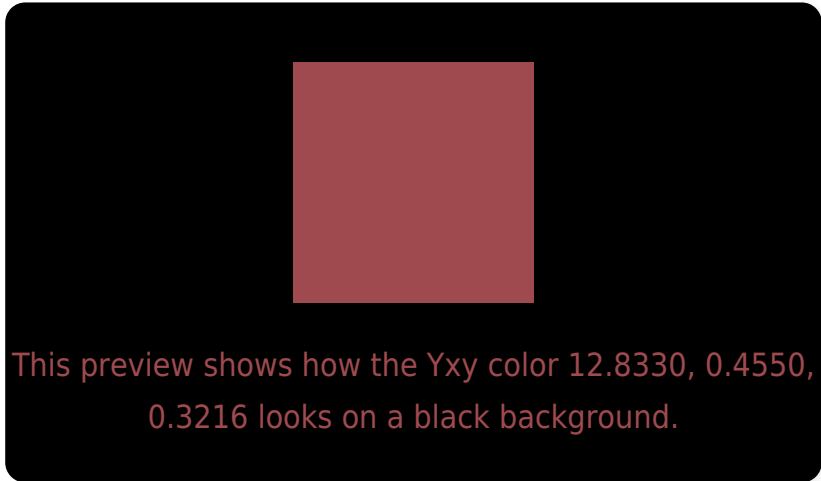
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.8330, 0.4550, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 12.8330, 0.4550, 0.3216.



This preview shows how white text looks on a background with the Yxy color 12.8330, 0.4550, 0.3216.

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

12.8330, 0.4550, 0.3216

Protanopia

13.0833, 0.3310, 0.3490

Deuteranopia

12.9793, 0.3801, 0.3751



Tritanopia

12.8330, 0.4550, 0.3216

Trichromacy



Original Color

12.8330, 0.4550, 0.3216

Protanomaly

12.5303, 0.3747, 0.3373

Deuteranomaly

12.7349, 0.4090, 0.3541

Tritanomaly

12.8330, 0.4550, 0.3216

Monochromacy



Original Color

12.8330, 0.4550, 0.3216

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3198, 0.3599, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8330, 0.4550, 0.3216 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(159, 74, 79)` looks like.

```
.text, #text, p{  
  color:rgb(159, 74, 79)  
}
```

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(159, 74, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 74, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.8330, 0.4550, 0.3216 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(159, 74, 79) }
```

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

```
.border{ border-color:rgb(159, 74, 79) }
```

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

Here you see how a box with a 4 pixel rgb(159, 74, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 74, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 74, 79);  
box-shadow:4px 4px 4px 4px rgb(159, 74,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8330, 0.4550, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 74, 79) }
```

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

```
.background{ background-color: rgb(159, 74,  
79) }
```

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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