

Converting Colors

$Y_{xy}(12.2231, 0.4813, 0.3199)$

Have a look what the booklet for
Yxy(12.2231, 0.4813, 0.3199)
contains.

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Color

Yxy(12.2568, 0.4823, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	A44248
RGB	164, 66, 72
RGB Percent	64%, 26%, 28%
CMY	0.3569, 0.7411, 0.7177
CMYK	0.00, 0.60, 0.56, 0.36
HSL	356°, 43%, 45%
HSV	356°, 60%, 64%
XYZ	18.4272, 12.2568, 7.5230
YIQ	95.9860, 56.4820, 22.6420

Conversions

Conversions Part 2

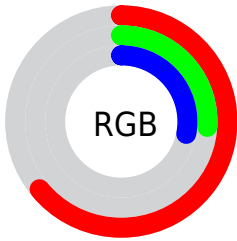
Format	Color
R_{YB}	164, 66, 72
Decimal	10764872
CIE Lab	41.62, 41.02, 17.28
CIE LCh	42, 44.509, 22.844
Yxy	12.2568, 0.4823, 0.3208
Android (android.graphics.Color)	4288954952 (0xFFA44248)
YUV	95.9860, -11.8251, 59.6483
Hunter-Lab	35.0097, 32.6858, 11.7664

Details

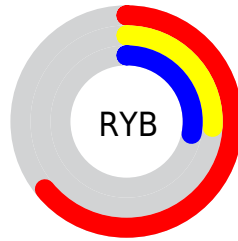
The Yxy color **12.2568, 0.4823, 0.3208** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **30.1784, 0.2440, 0.3394**, and the grayscale version is **11.7131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0009, 0.4393, 0.3270**, and **3.4099, 0.5660, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **10.4315, 0.5277, 0.3208**, and if you desaturate by 10%, it is **14.6831, 0.4402, 0.3216**.

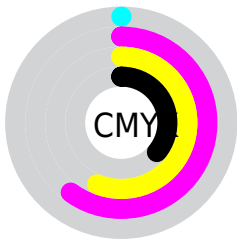
Distribution



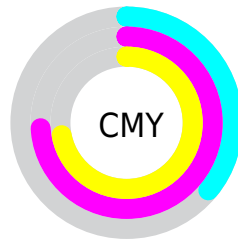
- Red (64%)
- Green (26%)
- Blue (28%)



- Red (64%)
- Yellow (26%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (56%)
- Black (36%)





- Cyan (36%)
- Magenta (74%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2568, 0.4823, 0.3208 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 12.2568, 0.4823, 0.3208 by changing the saturation by 10% instead.


 12.2568, 0.4823,
0.3208

 12.2568, 0.4823,
0.3208


206.0980, 0.3786,
0.3302


 6.9188, 0.5166,
0.3147


 29.9620, 0.4389,
0.3264

 3.4114, 0.5666,
0.3031


 43.0979, 0.4244,
0.3277


 1.3501, 0.6690,
0.2896

 59.6020, 0.4129,
0.3286

 0.1795, 0.8715,
0.1285

 79.8586, 0.4035,
0.3292

 0.0000, 1.0000,
0.0000

 104.2521, 0.3956,
0.3296

 0.0000, 0.0000,
0.0000

133.1669, 0.3891,

0.3299

166.9874, 0.3834,
0.3301

■ 12.2568, 0.4823,
0.3208

■ 12.2568, 0.4823,
0.3208

■ 10.4315, 0.5277,
0.3208

■ 14.6831, 0.4402,
0.3216

■ 9.1531, 0.5718,
0.3218

■ 17.7547, 0.4036,
0.3229

■ 8.3610, 0.6081,
0.3240

■ 21.5137, 0.3732,
0.3245

■ 7.9240, 0.6322,
0.3259

■ 25.9984, 0.3484,
0.3261

■ 7.9143, 0.6327,
0.3259

■ 31.2440, 0.3284,
0.3276

■ 37.2836, 0.3124,
0.3290

■ 44.1483, 0.2994,
0.3304

■ 51.8674, 0.2889,
0.3316

■ 60.4691, 0.2804,
0.3327

Harmonies

Analogous

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



12.2568, 0.4050, 0.2608



12.2568, 0.4823, 0.3208



12.2568, 0.5008, 0.3871

Triad

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



12.2568, 0.4823, 0.3208



12.2568, 0.2962, 0.4948



12.2568, 0.1718, 0.1934

Complementary

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



12.2568, 0.4823, 0.3208



30.1784, 0.2440, 0.3394

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.



12.2568, 0.1534, 0.2275



12.2568, 0.4823, 0.3208



12.2568, 0.2161, 0.4090

Square

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



12.2568, 0.4823, 0.3208



12.2568, 0.3855, 0.5035



12.2568, 0.1669, 0.3017



12.2568, 0.2222, 0.1911

Rectangle

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



12.2568, 0.4823, 0.3208



12.2568, 0.4796, 0.4323



12.2568, 0.1669, 0.3017



12.2568, 0.1622, 0.2009

Sweetspot

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



12.2575, 0.4823, 0.3208



48.4517, 0.3453, 0.3263



13.7928, 0.3101, 0.1889



10.0566, 0.3515, 0.3258



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.2575, 0.4823, 0.3208



17.9899, 0.5441, 0.3210



19.1105, 0.4474, 0.3939



7.0926, 0.3276, 0.3277



6.0710, 0.6316, 0.3253



0.1295, 0.5942, 0.3047

Inverse Universe

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



12.2575, 0.4823, 0.3208



17.9899, 0.5441, 0.3210



17.6443, 0.2227, 0.2479



7.0926, 0.3276, 0.3277



6.0710, 0.6316, 0.3253



0.1295, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 12.2568, 0.4823, 0.3208 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 12.2568, 0.4823, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

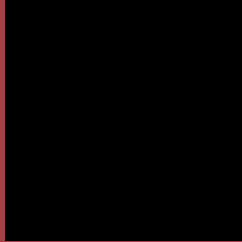
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2568, 0.4823, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 12.2568, 0.4823, 0.3208.



This preview shows how white text looks on a background with the Yxy color 12.2568, 0.4823, 0.3208.

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

12.2568, 0.4823, 0.3208

Protanopia

12.4954, 0.3357, 0.3562

Deuteranopia

12.4412, 0.3922, 0.3880



Tritanopia

12.2439, 0.4842, 0.3223

Trichromacy



Original Color

12.2568, 0.4823, 0.3208

Protanomaly

11.7856, 0.3856, 0.3394

Deuteranomaly

11.9212, 0.4270, 0.3576

Tritanomaly

12.2439, 0.4842, 0.3223

Monochromacy



Original Color

12.2568, 0.4823, 0.3208

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2501, 0.3713, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2568, 0.4823, 0.3208 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(164, 66, 72)` looks like.

```
.text, #text, p{  
    color:rgb(164, 66, 72)  
}
```

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(164, 66, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 66, 72) }
```

Border

The CSS property to change the border of an element to Yxy 12.2568, 0.4823, 0.3208 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(164, 66, 72) }
```

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

```
.border{ border-color:rgb(164, 66, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 66, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 66, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 66, 72);  
box-shadow:4px 4px 4px 4px rgb(164, 66,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2568, 0.4823, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 66, 72) }
```

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

```
.background{ background-color: rgb(164, 66,  
72) }
```

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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