

Converting Colors

$Yxy(12.0304, 0.5246, 0.3401)$

Have a look what the booklet for
Yxy(12.0304, 0.5246, 0.3401)
contains.

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Color

Yxy(12.0364, 0.5235, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	A83E36
RGB	168, 62, 54
RGB Percent	66%, 24%, 21%
CMY	0.3412, 0.7569, 0.7882
CMYK	0.00, 0.63, 0.68, 0.34
HSL	4°, 51%, 44%
HSV	4°, 68%, 66%
XYZ	18.5380, 12.0364, 4.8372
YIQ	92.7820, 65.7440, 19.9840

Conversions

Conversions Part 2

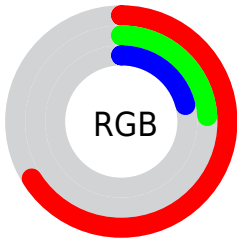
Format	Color
RYB	168, 63, 54
Decimal	11025974
CIELab	41.27, 43.09, 27.91
CIELCh	41, 51.345, 32.933
Yxy	12.0364, 0.5235, 0.3399
Android (android.graphics.Color)	4289216054 (0xFFA83E36)
YUV	92.7820, -19.1195, 65.9662
Hunter-Lab	34.6935, 34.6652, 16.0188

Details

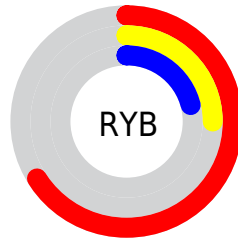
The Yxy color **12.0364, 0.5235, 0.3399** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.7583, 0.2315, 0.3146**, and the grayscale version is **10.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4682, 0.4709, 0.3438**, and **3.2971, 0.6197, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **10.4439, 0.5678, 0.3393**, and if you desaturate by 10%, it is **14.1732, 0.4784, 0.3394**.

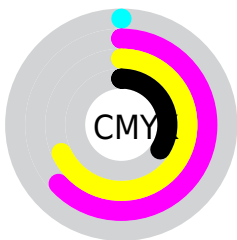
Distribution



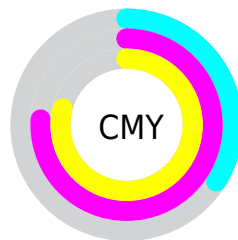
- Red (66%)
- Green (24%)
- Blue (21%)



- Red (66%)
- Yellow (25%)
- Blue (21%)



- Cyan (0%)
- Magenta (63%)
- Yellow (68%)
- Black (34%)





- Cyan (34%)
- Magenta (76%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0364, 0.5235, 0.3399 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 12.0364, 0.5235, 0.3399 by changing the saturation by 10% instead.


 12.0364, 0.5235,
0.3399


 12.0364, 0.5235,
0.3399

204.6461, 0.3957,
0.3419

 6.7685, 0.5634,
0.3334


 29.5614, 0.4710,
0.3440


 3.3177, 0.6207,
0.3202

 42.5872, 0.4531,
0.3443


 1.2998, 0.7081,
0.2919

 58.9678, 0.4387,
0.3442

 0.1410, 0.8975,
0.1025

 79.0876, 0.4270,
0.3438

 0.0000, 1.0000,
0.0000

 103.3309, 0.4172,
0.3434

 0.0000, 0.0000,
0.0000

 132.0822, 0.4089,

0.3429

165.7258, 0.4018,
0.3424

■ 12.0364, 0.5235,
0.3399

■ 12.0364, 0.5235,
0.3399

■ 10.4439, 0.5678,
0.3393

■ 14.1732, 0.4784,
0.3394

■ 9.3446, 0.6050,
0.3372

■ 16.8954, 0.4367,
0.3380

■ 8.6787, 0.6300,
0.3346

■ 20.2425, 0.4007,
0.3362

■ 8.5830, 0.6344,
0.3345

■ 24.2498, 0.3705,
0.3342

■ 28.9502, 0.3458,
0.3323

■ 34.3743, 0.3258,
0.3304

■ 40.5509, 0.3095,
0.3286

■ 47.5072, 0.2963,
0.3271

■ 55.2691, 0.2855,
0.3256

Harmonies

Analogous

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



12.0364, 0.4552, 0.2719



12.0364, 0.5235, 0.3399



12.0364, 0.5162, 0.4140

Triad

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



12.0364, 0.5235, 0.3399



12.0364, 0.2573, 0.5004



12.0364, 0.1692, 0.1724

Complementary

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



12.0364, 0.5235, 0.3399



28.7583, 0.2315, 0.3146

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.



12.0364, 0.1379, 0.1955



12.0364, 0.5235, 0.3399



12.0364, 0.1783, 0.3772

Square

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



12.0364, 0.5235, 0.3399



12.0364, 0.3569, 0.5382



12.0364, 0.1395, 0.2609



12.0364, 0.2367, 0.1806

Rectangle

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



12.0364, 0.5235, 0.3399



12.0364, 0.4772, 0.4654



12.0364, 0.1395, 0.2609



12.0364, 0.1550, 0.1763

Sweetspot

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



12.0371, 0.5235, 0.3399



50.2651, 0.3516, 0.3327



13.5168, 0.3305, 0.1873



10.4475, 0.3580, 0.3333



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.0371, 0.5235, 0.3399



17.9209, 0.5863, 0.3385



21.6921, 0.4537, 0.4212



7.6236, 0.3284, 0.3306



6.5117, 0.6335, 0.3352



0.1840, 0.6059, 0.3571

Inverse Universe

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



28.7583, 0.2315, 0.3146



50.1674, 0.2236, 0.3112



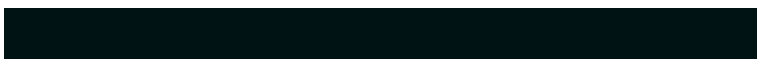
13.3936, 0.2049, 0.2036



8.4407, 0.2987, 0.3274



20.1779, 0.2187, 0.3074



0.5167, 0.2208, 0.3150

Previews

White Background



This preview shows how the Yxy color 12.0364, 0.5235, 0.3399 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 12.0364, 0.5235, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

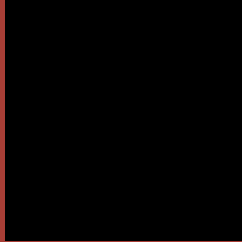
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0364, 0.5235, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 12.0364, 0.5235, 0.3399.



This preview shows how white text looks on a background with the Yxy color 12.0364, 0.5235, 0.3399.

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

12.0364, 0.5235, 0.3399

Protanopia

12.2048, 0.3701, 0.3989

Deuteranopia

12.1070, 0.4264, 0.4186



Tritanopia

12.0325, 0.5071, 0.3256

Trichromacy



Original Color

12.0364, 0.5235, 0.3399

Protanomaly

11.5119, 0.4281, 0.3741

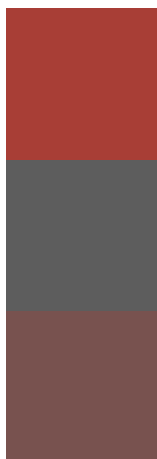
Deuteranomaly

11.6681, 0.4650, 0.3855

Tritanomaly

11.9886, 0.5143, 0.3309

Monochromacy



Original Color

12.0364, 0.5235, 0.3399

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5922, 0.3857, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0364, 0.5235, 0.3399 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(168, 62, 54)` looks like.

```
.text, #text, p{  
    color:rgb(168, 62, 54)  
}
```

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(168, 62, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 62, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.0364, 0.5235, 0.3399 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(168, 62, 54) }
```

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

```
.border{ border-color:rgb(168, 62, 54) }
```

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

Here you see how a box with a 4 pixel rgb(168, 62, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 62, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 62, 54);  
box-shadow:4px 4px 4px 4px rgb(168, 62,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0364, 0.5235, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 62, 54) }
```

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

```
.background{ background-color: rgb(168, 62,  
54) }
```

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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