

Converting Colors

$Y_{xy}(12.0252, 0.5846, 0.3739)$

Have a look what the booklet for
Yxy(12.0252, 0.5846, 0.3739)
contains.

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Color

Yxy(12.0122, 0.5849, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	AD3B00
RGB	173, 59, 0
RGB Percent	68%, 23%, 0%
CMY	0.3216, 0.7686, 1.0000
CMYK	0.00, 0.66, 1.00, 0.32
HSL	20°, 100%, 34%
HSV	20°, 100%, 68%
XYZ	18.7960, 12.0122, 1.3272
YIQ	86.3600, 86.8830, 5.8190

Conversions

Conversions Part 2

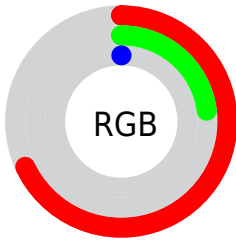
Format	Color
RYB	173, 90, 0
Decimal	11352832
CIELab	41.24, 44.60, 52.65
CIELCh	41, 69.003, 49.735
Yxy	12.0122, 0.5849, 0.3738
Android (android.graphics.Color)	4289542912 (0xFFAD3B00)
YUV	86.3600, -42.5755, 75.9833
Hunter-Lab	34.6586, 36.1511, 21.9906

Details

The Yxy color **12.0122, 0.5849, 0.3738** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.0451, 0.1928, 0.2139**, and the grayscale version is **9.4670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4776, 0.5280, 0.3799**, and **3.4447, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0130, 0.5849, 0.3738**, and if you desaturate by 10%, it is **13.3570, 0.5586, 0.3816**.

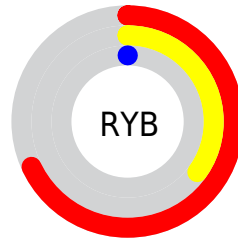
Distribution



Red (68%)

Green (23%)

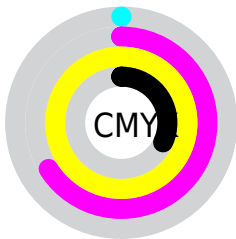
Blue (0%)



Red (68%)

Yellow (35%)

Blue (0%)

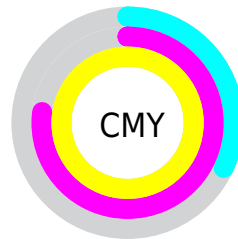


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (77%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0122, 0.5849, 0.3738 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 12.0122, 0.5849, 0.3738 by changing the saturation by 10% instead.


 12.0122, 0.5849,
0.3738


 12.0122, 0.5849,
0.3738


 204.4860, 0.4304,
0.3694


 6.7520, 0.6297,
0.3657


 29.5173, 0.5277,
0.3807


 3.3075, 0.6648,
0.3352

 42.5310, 0.5060,
0.3803


 1.2943, 0.7141,
0.2859

 58.8980, 0.4879,
0.3790

 0.1368, 0.9033,
0.0967

 79.0027, 0.4726,
0.3772

 0.0000, 1.0000,
0.0000

 103.2294, 0.4596,
0.3752

 0.0000, 0.0000,
0.0000


 131.9626, 0.4485,

0.3732

 165.5867, 0.4388,
0.3712


 12.0122, 0.5849,
0.3738

 12.0122, 0.5849,
0.3738


 12.0130, 0.5849,
0.3738

 13.3570, 0.5586,
0.3816

 15.0085, 0.5276,
0.3857

 16.9958, 0.4934,
0.3850

 19.3386, 0.4589,
0.3805

 22.0548, 0.4262,
0.3734

■ 25.1611, 0.3967,
0.3648

■ 28.6729, 0.3707,
0.3556

■ 32.6048, 0.3482,
0.3463

■ 36.9706, 0.3290,
0.3374

Harmonies

Analogous

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



12.0122, 0.5633, 0.2940



12.0122, 0.5849, 0.3738



12.0122, 0.5192, 0.4721

Triad

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



12.0122, 0.5849, 0.3738



12.0122, 0.1730, 0.4779



12.0122, 0.1728, 0.1387

Complementary

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



12.0122, 0.5849, 0.3738



15.0451, 0.1928, 0.2139

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.



12.0122, 0.1156, 0.1418



12.0122, 0.5849, 0.3738



12.0122, 0.1106, 0.2910

Square

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



12.0122, 0.5849, 0.3738



12.0122, 0.2817, 0.6091



12.0122, 0.0959, 0.1835



12.0122, 0.2816, 0.1658

Rectangle

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



12.0122, 0.5849, 0.3738



12.0122, 0.4467, 0.5435



12.0122, 0.0959, 0.1835



12.0122, 0.1488, 0.1362

Sweetspot

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



12.0130, 0.5849, 0.3738



51.0099, 0.3719, 0.3560



10.1285, 0.4267, 0.2125



10.5133, 0.3822, 0.3598



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.0130, 0.5849, 0.3738



21.1573, 0.5879, 0.3714



28.8778, 0.4520, 0.4793



8.4454, 0.3278, 0.3368



8.9233, 0.5829, 0.3753



0.3515, 0.5245, 0.4217

Inverse Universe

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



15.0451, 0.1928, 0.2139



26.5340, 0.1922, 0.2118



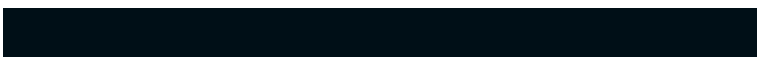
3.8873, 0.1542, 0.0752



8.6049, 0.2986, 0.3211



11.1633, 0.1931, 0.2153



0.4067, 0.2038, 0.2538

Previews

White Background



This preview shows how the Yxy color 12.0122, 0.5849, 0.3738 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 12.0122, 0.5849, 0.3738 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 12.0122, 0.5849, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 12.0122, 0.5849, 0.3738.



This preview shows how white text looks on a background with the Yxy color 12.0122, 0.5849, 0.3738.

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

12.0122, 0.5849, 0.3738

Protanopia

12.3469, 0.4306, 0.4778

Deuteranopia

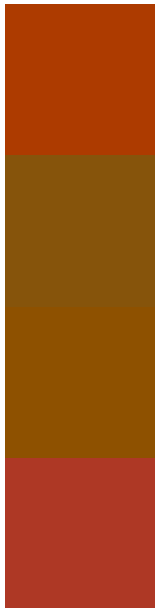
12.1138, 0.4696, 0.4653



Tritanopia

12.0365, 0.5305, 0.3261

Trichromacy



Original Color

12.0122, 0.5849, 0.3738

Protanomaly

11.4331, 0.4961, 0.4342

Deuteranomaly

11.6356, 0.5176, 0.4272

Tritanomaly

11.9606, 0.5613, 0.3496

Monochromacy



Original Color

12.0122, 0.5849, 0.3738

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.2963, 0.4318, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0122, 0.5849, 0.3738 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(173, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 59, 0)  
}
```

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(173, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0122, 0.5849, 0.3738 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(173, 59, 0) }
```

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

```
.border{ border-color:rgb(173, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0122, 0.5849, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 59, 0) }
```

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

```
.background{ background-color: rgb(173, 59,  
0) }
```

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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