

Converting Colors

$Y_{xy}(12.8673, 0.5234, 0.3830)$

Have a look what the booklet for
Yxy(12.8673, 0.5234, 0.3830)
contains.

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Color

Yxy(12.8673, 0.5234, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	A14C23
RGB	161, 76, 35
RGB Percent	63%, 30%, 14%
CMY	0.3687, 0.7019, 0.8629
CMYK	0.00, 0.53, 0.78, 0.37
HSL	20°, 64%, 38%
HSV	20°, 78%, 63%
XYZ	17.5842, 12.8673, 3.1446
YIQ	96.7410, 63.8210, 5.2690

Conversions

Conversions Part 2

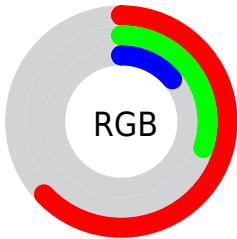
Format	Color
R_{YB}	161, 96, 35
Decimal	10570787
CIE _{Lab}	42.56, 32.48, 39.61
CIE _{LCh}	43, 51.222, 50.648
Yxy	12.8673, 0.5234, 0.3830
Android (android.graphics.Color)	4288760867 (0xFFA14C23)
YUV	96.7410, -30.4383, 56.3551
Hunter-Lab	35.8710, 24.7275, 19.9121

Details

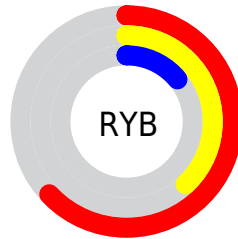
The Yxy color **12.8673, 0.5234, 0.3830** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.3505, 0.2086, 0.2465**, and the grayscale version is **11.9517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1601, 0.4746, 0.3798**, and **3.6674, 0.5958, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **11.4214, 0.5558, 0.3799**, and if you desaturate by 10%, it is **14.6110, 0.4883, 0.3817**.

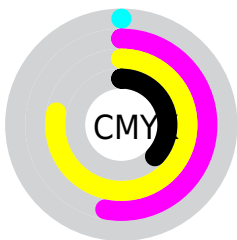
Distribution



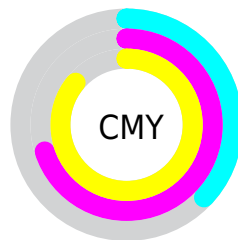
- Red (63%)
- Green (30%)
- Blue (14%)



- Red (63%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (37%)




- Cyan (37%)
- Magenta (70%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8673, 0.5234, 0.3830 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 12.8673, 0.5234, 0.3830 by changing the saturation by 10% instead.


 12.8673, 0.5234,
0.3830


 12.8673, 0.5234,
0.3830


210.0655, 0.3994,
0.3623

 7.3372, 0.5583,
0.3810


 31.0652, 0.4745,
0.3793


 3.6739, 0.6188,
0.3812

 44.5018, 0.4571,
0.3764

 1.4929, 0.6574,
0.3426

 61.3427, 0.4429,
0.3736

 0.2837, 0.7923,
0.2077

 81.9723, 0.4312,
0.3709

 0.0000, 1.0000,
0.0000

 106.7749, 0.4213,
0.3684

 0.0000, 0.0000,
0.0000

 136.1351, 0.4129,

0.3662

170.4371, 0.4057,
0.3641

12.8673, 0.5234,
0.3830

12.8673, 0.5234,
0.3830

11.4214, 0.5558,
0.3799

14.6110, 0.4883,
0.3817

10.2487, 0.5833,
0.3726

16.6674, 0.4536,
0.3769

10.0708, 0.5879,
0.3714

19.0529, 0.4211,
0.3698

21.7820, 0.3919,
0.3615

24.8681, 0.3665,
0.3527

■ 28.3240, 0.3446,
0.3440

■ 32.1618, 0.3260,
0.3356

■ 36.3931, 0.3102,
0.3277

■ 41.0288, 0.2968,
0.3204

Harmonies

Analogous

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



12.8673, 0.4998, 0.3121



12.8673, 0.5234, 0.3830



12.8673, 0.4798, 0.4580

Triad

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



12.8673, 0.5234, 0.3830



12.8673, 0.2089, 0.4297



12.8673, 0.2066, 0.1766

Complementary

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



12.8673, 0.5234, 0.3830



16.3505, 0.2086, 0.2465

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.



12.8673, 0.1552, 0.1806



12.8673, 0.5234, 0.3830



12.8673, 0.1536, 0.3040

Square

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



12.8673, 0.5234, 0.3830



12.8673, 0.2983, 0.5237



12.8673, 0.1377, 0.2189



12.8673, 0.2952, 0.2006

Rectangle

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



12.8673, 0.5234, 0.3830



12.8673, 0.4270, 0.5038



12.8673, 0.1377, 0.2189



12.8673, 0.1854, 0.1747

Sweetspot

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



12.8680, 0.5234, 0.3830



47.4573, 0.3555, 0.3484



10.1591, 0.3907, 0.2116



9.9550, 0.3631, 0.3514



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.



12.8680, 0.5234, 0.3830



18.8441, 0.5765, 0.3744



25.8421, 0.4359, 0.4680



7.4452, 0.3277, 0.3364



8.1117, 0.5864, 0.3726



0.2534, 0.5200, 0.4253

Inverse Universe

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



16.3505, 0.2086, 0.2465



24.9679, 0.1968, 0.2253



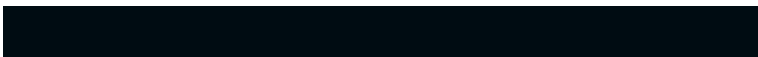
5.9634, 0.1763, 0.1217



7.6205, 0.2987, 0.3215



10.7929, 0.1948, 0.2211



0.3070, 0.2069, 0.2648

Previews

White Background



This preview shows how the Yxy color 12.8673, 0.5234, 0.3830 looks on a white background.

Color Contrast Check

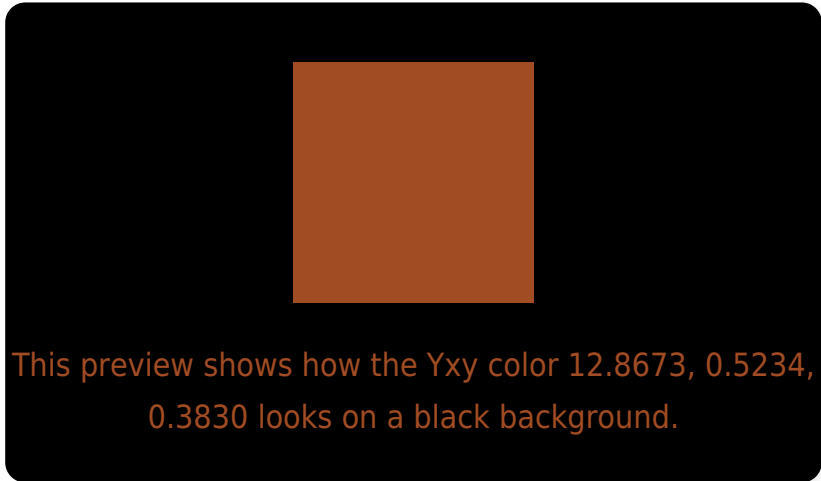
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8673, 0.5234, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 12.8673, 0.5234, 0.3830.



This preview shows how white text looks on a background with the Yxy color 12.8673, 0.5234, 0.3830.

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

12.8673, 0.5234, 0.3830

Protanopia

12.9852, 0.4106, 0.4487

Deuteranopia

12.9665, 0.4522, 0.4457



Tritanopia

12.9431, 0.4679, 0.3234

Trichromacy



Original Color

12.8673, 0.5234, 0.3830

Protanomaly

12.5466, 0.4530, 0.4241

Deuteranomaly

12.7327, 0.4792, 0.4217

Tritanomaly

12.7834, 0.4921, 0.3470

Monochromacy



Original Color

12.8673, 0.5234, 0.3830

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.6322, 0.3893, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8673, 0.5234, 0.3830 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(161, 76, 35)` looks like.

```
.text, #text, p{  
  color:rgb(161, 76, 35)  
}
```

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(161, 76, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 76, 35) }
```

Border

The CSS property to change the border of an element to Yxy 12.8673, 0.5234, 0.3830 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(161, 76, 35) }
```

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

```
.border{ border-color:rgb(161, 76, 35) }
```

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

Here you see how a box with a 4 pixel rgb(161, 76, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 76, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 76, 35);  
box-shadow:4px 4px 4px 4px rgb(161, 76,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8673, 0.5234, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 76, 35) }
```

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

```
.background{ background-color: rgb(161, 76,  
35) }
```

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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