

Converting Colors

$Y_{xy}(12.0891, 0.5218, 0.3843)$

Have a look what the booklet for
Yxy(12.0891, 0.5218, 0.3843)
contains.

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Color

Yxy(12.0810, 0.5220, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	9C4A22
RGB	156, 74, 34
RGB Percent	61%, 29%, 13%
CMY	0.3882, 0.7098, 0.8665
CMYK	0.00, 0.53, 0.78, 0.39
HSL	20°, 64%, 37%
HSV	20°, 78%, 61%
XYZ	16.4483, 12.0810, 2.9809
YIQ	93.9580, 61.7120, 4.9440

Conversions

Conversions Part 2

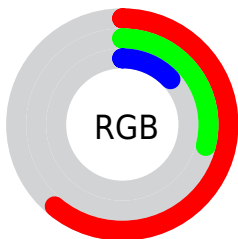
Format	Color
R_{YB}	156, 94, 34
Decimal	10242594
CIE _{Lab}	41.34, 31.46, 38.59
CIE _{LCh}	41, 49.789, 50.816
Yxy	12.0810, 0.5220, 0.3834
Android (android.graphics.Color)	4288432674 (0xFF9C4A22)
YUV	93.9580, -29.5593, 54.4108
Hunter-Lab	34.7577, 23.6450, 19.2456

Details

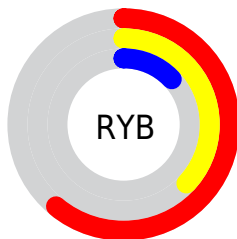
The Yxy color **12.0810, 0.5220, 0.3834** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.2390, 0.2087, 0.2463**, and the grayscale version is **11.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6083, 0.4735, 0.3788**, and **3.3914, 0.5949, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **10.7255, 0.5544, 0.3804**, and if you desaturate by 10%, it is **13.7123, 0.4871, 0.3820**.

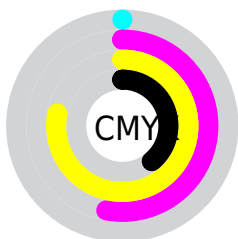
Distribution



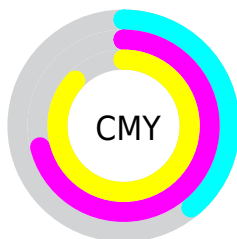
- Red (61%)
- Green (29%)
- Blue (13%)



- Red (61%)
- Yellow (37%)
- Blue (13%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (39%)





- Cyan (39%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0810, 0.5220, 0.3834 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 12.0810, 0.5220, 0.3834 by changing the saturation by 10% instead.


 12.0810, 0.5220,
0.3834

 12.0810, 0.5220,
0.3834


204.9408, 0.3977,
0.3619

 6.7989, 0.5576,
0.3816


 29.6425, 0.4725,
0.3793


 3.3366, 0.6189,
0.3811

 42.6907, 0.4551,
0.3763


 1.3099, 0.6590,
0.3410

 59.0964, 0.4409,
0.3734

 0.1489, 0.8596,
0.1404

 79.2440, 0.4292,
0.3707


 0.0000, 0.0000,
0.0000


 103.5178, 0.4194,
0.3682


 132.3023, 0.4110,


0.3659


 165.9818, 0.4039,
0.3638


 12.0810, 0.5220,
0.3834


 12.0810, 0.5220,
0.3834


 10.7255, 0.5544,
0.3804

 13.7123, 0.4871,
0.3820

 9.6229, 0.5821,
0.3734

 15.6330, 0.4525,
0.3771

 9.4463, 0.5870,
0.3721

 17.8581, 0.4203,
0.3699

 20.4009, 0.3913,
0.3615

 23.2737, 0.3661,
0.3527

■ 26.4884, 0.3443,
0.3439

■ 30.0560, 0.3258,
0.3355

■ 33.9871, 0.3100,
0.3276

■ 38.2918, 0.2967,
0.3203

Harmonies

Analogous

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



12.0810, 0.4988, 0.3128



12.0810, 0.5220, 0.3834



12.0810, 0.4786, 0.4580

Triad

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



12.0810, 0.5220, 0.3834



12.0810, 0.2093, 0.4282



12.0810, 0.2076, 0.1775

Complementary

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



12.0810, 0.5220, 0.3834



15.2390, 0.2087, 0.2463

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.



12.0810, 0.1562, 0.1813



12.0810, 0.5220, 0.3834



12.0810, 0.1544, 0.3037

Square

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



12.0810, 0.5220, 0.3834



12.0810, 0.2981, 0.5218



12.0810, 0.1386, 0.2194



12.0810, 0.2960, 0.2015

Rectangle

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



12.0810, 0.5220, 0.3834



12.0810, 0.4261, 0.5032



12.0810, 0.1386, 0.2194



12.0810, 0.1865, 0.1755

Sweetspot

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



12.0817, 0.5220, 0.3834



44.9533, 0.3553, 0.3485



9.5072, 0.3903, 0.2118



9.4675, 0.3629, 0.3515



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.0817, 0.5220, 0.3834



17.9076, 0.5756, 0.3749



24.1344, 0.4356, 0.4677



6.9835, 0.3276, 0.3364



7.8386, 0.5857, 0.3732



0.2129, 0.5159, 0.4286

Inverse Universe

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



15.2390, 0.2087, 0.2463



23.5363, 0.1967, 0.2247



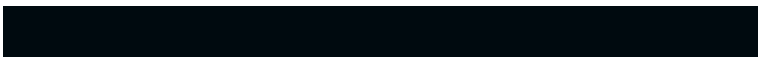
5.6078, 0.1767, 0.1224



7.1428, 0.2988, 0.3215



10.3435, 0.1946, 0.2206



0.2586, 0.2081, 0.2691

Previews

White Background



This preview shows how the Yxy color 12.0810, 0.5220, 0.3834 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 12.0810, 0.5220, 0.3834 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 12.0810, 0.5220, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 12.0810, 0.5220, 0.3834.



This preview shows how white text looks on a background with the Yxy color 12.0810, 0.5220, 0.3834.

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

12.0810, 0.5220, 0.3834

Protanopia

12.1467, 0.4090, 0.4485

Deuteranopia

12.1235, 0.4518, 0.4456



Tritanopia

12.1438, 0.4665, 0.3232

Trichromacy



Original Color

12.0810, 0.5220, 0.3834

Protanomaly

11.7203, 0.4525, 0.4234

Deuteranomaly

11.9002, 0.4795, 0.4210

Tritanomaly

11.9903, 0.4913, 0.3476

Monochromacy



Original Color

12.0810, 0.5220, 0.3834

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0662, 0.3891, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0810, 0.5220, 0.3834 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(156, 74, 34)` looks like.

```
.text, #text, p{  
    color:rgb(156, 74, 34)  
}
```

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(156, 74, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 74, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.0810, 0.5220, 0.3834 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(156, 74, 34) }
```

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

```
.border{ border-color:rgb(156, 74, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 74, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 74, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 74, 34);  
box-shadow:4px 4px 4px 4px rgb(156, 74,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0810, 0.5220, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 74, 34) }
```

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

```
.background{ background-color: rgb(156, 74,  
34) }
```

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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