

Converting Colors

$Y_{xy}(12.8029, 0.4902, 0.3860)$

Have a look what the booklet for
Yxy(12.8029, 0.4902, 0.3860)
contains.

Yxy(12.8034, 0.4902, 0.3862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8034, 0.4902, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	97522D
RGB	151, 82, 45
RGB Percent	59%, 32%, 18%
CMY	0.4079, 0.6784, 0.8235
CMYK	0.00, 0.46, 0.70, 0.41
HSL	21°, 54%, 38%
HSV	21°, 70%, 59%
XYZ	16.2512, 12.8034, 4.0976
YIQ	98.4130, 53.0010, 3.1210

Conversions

Conversions Part 2

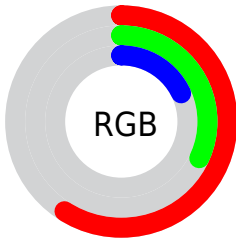
Format	Color
R_{YB}	151, 102, 45
Decimal	9916973
CIE _{Lab}	42.47, 25.51, 33.78
CIE _{LCh}	42, 42.329, 52.943
Yxy	12.8034, 0.4902, 0.3862
Android (android.graphics.Color)	4288107053 (0xFF97522D)
YUV	98.4130, -26.3326, 46.1188
Hunter-Lab	35.7818, 18.4521, 18.2576

Details

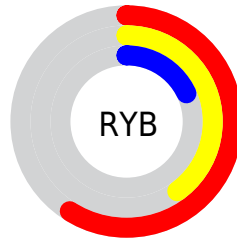
The Yxy color **12.8034, 0.4902, 0.3862** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.8199, 0.2151, 0.2513**, and the grayscale version is **12.3805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8305, 0.4478, 0.3785**, and **3.6350, 0.5674, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **11.3303, 0.5238, 0.3873**, and if you desaturate by 10%, it is **14.5317, 0.4565, 0.3814**.

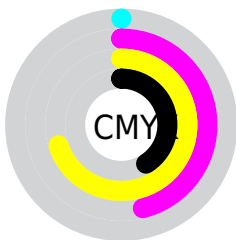
Distribution



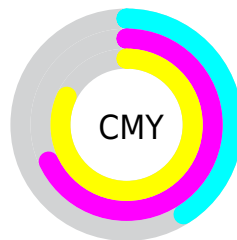
- Red (59%)
- Green (32%)
- Blue (18%)



- Red (59%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (41%)





- Cyan (41%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8034, 0.4902, 0.3862 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 12.8034, 0.4902, 0.3862 by changing the saturation by 10% instead.


 12.8034, 0.4902,
0.3862


 12.8034, 0.4902,
0.3862


 209.6538, 0.3843,
0.3596


 7.2933, 0.5219,
0.3886


 30.9501, 0.4474,
0.3785


 3.6462, 0.5715,
0.3914

 44.3556, 0.4326,
0.3748

 1.4777, 0.6262,
0.3738

 61.1615, 0.4206,
0.3715

 0.2729, 0.7638,
0.2362

 81.7525, 0.4108,
0.3685

 0.0000, 0.0000,
0.0000

 106.5128, 0.4025,
0.3659

 135.8269, 0.3955,

0.3635

170.0791, 0.3895,
0.3615

■ 12.8034, 0.4902,
0.3862

■ 12.8034, 0.4902,
0.3862

■ 11.3303, 0.5238,
0.3873

■ 14.5317, 0.4565,
0.3814

■ 10.0967, 0.5545,
0.3838

■ 16.5257, 0.4246,
0.3741

■ 9.0992, 0.5809,
0.3770

■ 18.7974, 0.3957,
0.3654

■ 21.3577, 0.3702,
0.3560

■ 24.2167, 0.3481,
0.3467

■ 27.3840, 0.3292,
0.3377

■ 30.8688, 0.3130,
0.3292

■ 34.6799, 0.2992,
0.3213

■ 38.8256, 0.2875,
0.3140

Harmonies

Analogous

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



12.8034, 0.4720, 0.3226



12.8034, 0.4902, 0.3862



12.8034, 0.4539, 0.4491

Triad

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



12.8034, 0.4902, 0.3862



12.8034, 0.2219, 0.4034



12.8034, 0.2275, 0.1979

Complementary

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



12.8034, 0.4902, 0.3862



14.8199, 0.2151, 0.2513

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.



12.8034, 0.1790, 0.2004



12.8034, 0.4902, 0.3862



12.8034, 0.1745, 0.3040

Square

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



12.8034, 0.4902, 0.3862



12.8034, 0.2980, 0.4829



12.8034, 0.1612, 0.2336



12.8034, 0.3061, 0.2208

Rectangle

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



12.8034, 0.4902, 0.3862



12.8034, 0.4089, 0.4827



12.8034, 0.1612, 0.2336



12.8034, 0.2078, 0.1957

Sweetspot

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



12.8041, 0.4902, 0.3862



42.7218, 0.3506, 0.3478



9.7077, 0.3830, 0.2209



9.4084, 0.3560, 0.3502



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.8041, 0.4902, 0.3862



19.0315, 0.5412, 0.3860



23.6299, 0.4232, 0.4616



6.5580, 0.3275, 0.3368



7.7922, 0.5797, 0.3779



0.1803, 0.5080, 0.4349

Inverse Universe

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



14.8199, 0.2151, 0.2513



22.6920, 0.2013, 0.2310



6.3100, 0.1882, 0.1409



6.6632, 0.2989, 0.3211



9.4292, 0.1926, 0.2132



0.2085, 0.2082, 0.2695

Previews

White Background



This preview shows how the Yxy color 12.8034, 0.4902, 0.3862 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 12.8034, 0.4902, 0.3862 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 12.8034, 0.4902, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 12.8034, 0.4902, 0.3862.



This preview shows how white text looks on a background with the Yxy color 12.8034, 0.4902, 0.3862.

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

12.8034, 0.4902, 0.3862

Protanopia

12.9259, 0.3970, 0.4347

Deuteranopia

12.8929, 0.4361, 0.4306



Tritanopia

12.8456, 0.4354, 0.3210

Trichromacy



Original Color

12.8034, 0.4902, 0.3862

Protanomaly

12.6628, 0.4318, 0.4154

Deuteranomaly

12.7249, 0.4558, 0.4140

Tritanomaly

12.6970, 0.4582, 0.3459

Monochromacy



Original Color

12.8034, 0.4902, 0.3862

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0007, 0.3740, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8034, 0.4902, 0.3862 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(151, 82, 45)` looks like.

```
.text, #text, p{  
    color:rgb(151, 82, 45)  
}
```

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(151, 82, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 82, 45) }
```

Border

The CSS property to change the border of an element to Yxy 12.8034, 0.4902, 0.3862 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(151, 82, 45) }
```

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

```
.border{ border-color:rgb(151, 82, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 82, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 82, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 82, 45);  
box-shadow:4px 4px 4px 4px rgb(151, 82,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8034, 0.4902, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 82, 45) }
```

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

```
.background{ background-color: rgb(151, 82,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor