

Converting Colors

$Y_{xy}(14.9897, 0.4587, 0.3885)$

Have a look what the booklet for
Yxy(14.9897, 0.4587, 0.3885)
contains.

Yxy(14.9762, 0.4595, 0.3890)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9762, 0.4595, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	985E39
RGB	152, 94, 57
RGB Percent	60%, 37%, 22%
CMY	0.4039, 0.6314, 0.7764
CMYK	0.00, 0.38, 0.62, 0.40
HSL	23°, 45%, 41%
HSV	23°, 62%, 60%
XYZ	17.6904, 14.9762, 5.8326
YIQ	107.1240, 46.4450, 0.7890

Conversions

Conversions Part 2

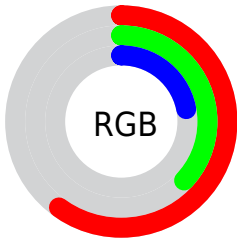
Format	Color
R_{YB}	152, 118, 57
Decimal	9985593
CIE Lab	45.60, 19.95, 30.82
CIE LCh	46, 36.712, 57.079
Yxy	14.9762, 0.4595, 0.3890
Android (android.graphics.Color)	4288175673 (0xFF985E39)
YUV	107.1240, -24.7111, 39.3563
Hunter-Lab	38.6991, 13.8737, 18.1533

Details

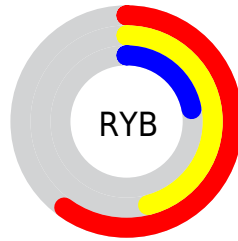
The Yxy color **14.9762, 0.4595, 0.3890** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.4040, 0.2216, 0.2531**, and the grayscale version is **14.8005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8260, 0.4244, 0.3793**, and **4.6010, 0.5214, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **13.2944, 0.4915, 0.3939**, and if you desaturate by 10%, it is **16.9035, 0.4286, 0.3812**.

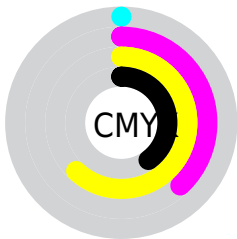
Distribution



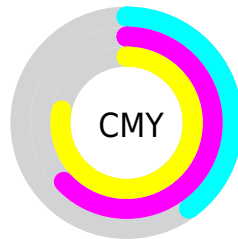
- Red (60%)
- Green (37%)
- Blue (22%)



- Red (60%)
- Yellow (46%)
- Blue (22%)



- Cyan (0%)
- Magenta (38%)
- Yellow (62%)
- Black (40%)




- Cyan (40%)
- Magenta (63%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9762, 0.4595, 0.3890 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 14.9762, 0.4595, 0.3890 by changing the saturation by 10% instead.


 14.9762, 0.4595,
0.3890


 14.9762, 0.4595,
0.3890


223.2221, 0.3732,
0.3587


 8.8027, 0.4854,
0.3946


 34.8114, 0.4248,
0.3788


 4.6127, 0.5204,
0.3990

 49.2419, 0.4128,
0.3746


 2.0219, 0.5889,
0.4111

 67.1935, 0.4030,
0.3710

 0.6201, 0.6393,
0.3607

 89.0506, 0.3949,
0.3678

 0.0000, 1.0000,
0.0000

 115.1977, 0.3882,
0.3651

 0.0000, 0.0000,
0.0000

 146.0190, 0.3824,

0.3627

181.8990, 0.3775,
0.3606

■ 14.9762, 0.4595,
0.3890

■ 14.9762, 0.4595,
0.3890

■ 13.2944, 0.4915,
0.3939

■ 16.9035, 0.4286,
0.3812

■ 11.8447, 0.5228,
0.3947

■ 19.0843, 0.4002,
0.3717

■ 10.6153, 0.5509,
0.3906

■ 21.5291, 0.3747,
0.3615

■ 9.8216, 0.5701,
0.3856

■ 24.2469, 0.3524,
0.3510

■ 27.2464, 0.3331,
0.3409

■ 30.5359, 0.3165,
0.3313

■ 34.1230, 0.3022,
0.3223

■ 38.0155, 0.2899,
0.3140

■ 42.2205, 0.2794,
0.3065

Harmonies

Analogous

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



14.9762, 0.4491, 0.3336



14.9762, 0.4595, 0.3890



14.9762, 0.4264, 0.4393

Triad

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



14.9762, 0.4595, 0.3890



14.9762, 0.2305, 0.3787



14.9762, 0.2494, 0.2185

Complementary

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



14.9762, 0.4595, 0.3890



15.4040, 0.2216, 0.2531

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.



14.9762, 0.2031, 0.2183



14.9762, 0.4595, 0.3890



14.9762, 0.1925, 0.3004

Square

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



14.9762, 0.4595, 0.3890



14.9762, 0.2931, 0.4465



14.9762, 0.1838, 0.2445



14.9762, 0.3187, 0.2412

Rectangle

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



14.9762, 0.4595, 0.3890



14.9762, 0.3875, 0.4616



14.9762, 0.1838, 0.2445



14.9762, 0.2311, 0.2157

Sweetspot

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



14.9770, 0.4595, 0.3890



44.3932, 0.3461, 0.3478



10.8557, 0.3816, 0.2362



9.7811, 0.3515, 0.3506



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.



14.9770, 0.4595, 0.3890



22.4008, 0.5042, 0.3948



25.9965, 0.4080, 0.4571



6.5975, 0.3274, 0.3377



8.2923, 0.5689, 0.3865



0.1914, 0.4991, 0.4419

Inverse Universe

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



15.4040, 0.2216, 0.2531



23.1259, 0.2062, 0.2325



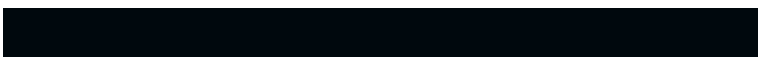
7.2848, 0.1992, 0.1539



6.6224, 0.2989, 0.3201



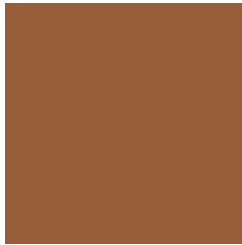
8.4997, 0.1887, 0.1992



0.1974, 0.2060, 0.2614

Previews

White Background



This preview shows how the Yxy color 14.9762, 0.4595, 0.3890 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 14.9762, 0.4595, 0.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

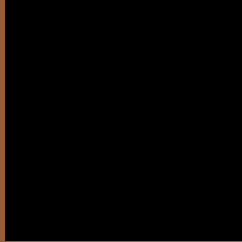
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9762, 0.4595, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 14.9762, 0.4595, 0.3890.



This preview shows how white text looks on a background with the Yxy color 14.9762, 0.4595, 0.3890.

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

14.9762, 0.4595, 0.3890

Protanopia

14.9949, 0.3892, 0.4217

Deuteranopia

14.9629, 0.4240, 0.4171



Tritanopia

14.9578, 0.4077, 0.3176

Trichromacy



Original Color

14.9762, 0.4595, 0.3890

Protanomaly

14.8520, 0.4148, 0.4100

Deuteranomaly

14.9753, 0.4366, 0.4064

Tritanomaly

14.9614, 0.4279, 0.3444

Monochromacy



Original Color

14.9762, 0.4595, 0.3890

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.4350, 0.3625, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9762, 0.4595, 0.3890 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(152, 94, 57)` looks like.

```
.text, #text, p{  
    color:rgb(152, 94, 57)  
}
```

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(152, 94, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 94, 57) }
```

Border

The CSS property to change the border of an element to Yxy 14.9762, 0.4595, 0.3890 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(152, 94, 57) }
```

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

```
.border{ border-color:rgb(152, 94, 57) }
```

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

Here you see how a box with a 4 pixel rgb(152, 94, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 94, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 94, 57);  
box-shadow:4px 4px 4px 4px rgb(152, 94,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9762, 0.4595, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 94, 57) }
```

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

```
.background{ background-color: rgb(152, 94,  
57) }
```

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