

Converting Colors

$Y_{xy}(14.5347, 0.4702, 0.3837)$

Have a look what the booklet for
Yxy(14.5347, 0.4702, 0.3837)
contains.

Yxy(14.5567, 0.4713, 0.3841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5567, 0.4713, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	9B5A37
RGB	155, 90, 55
RGB Percent	61%, 35%, 22%
CMY	0.3922, 0.6470, 0.7844
CMYK	0.00, 0.42, 0.65, 0.39
HSL	21°, 48%, 41%
HSV	21°, 65%, 61%
XYZ	17.8614, 14.5567, 5.4801
YIQ	105.4450, 49.9750, 2.8950

Conversions

Conversions Part 2

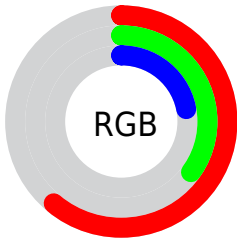
Format	Color
R _Y B	155, 109, 55
Decimal	10181175
CIE Lab	45.02, 23.37, 31.37
CIE LCh	45, 39.116, 53.309
Yxy	14.5567, 0.4713, 0.3841
Android (android.graphics.Color)	4288371255 (0xFF9B5A37)
YUV	105.4450, -24.8694, 43.4597
Hunter-Lab	38.1532, 16.7965, 18.1912

Details

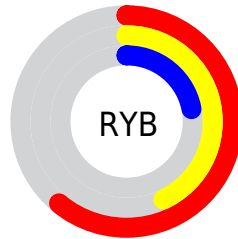
The Yxy color **14.5567, 0.4713, 0.3841** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.6005, 0.2210, 0.2583**, and the grayscale version is **14.3126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1752, 0.4334, 0.3758**, and **4.4023, 0.5374, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **12.8460, 0.5053, 0.3874**, and if you desaturate by 10%, it is **16.5458, 0.4384, 0.3777**.

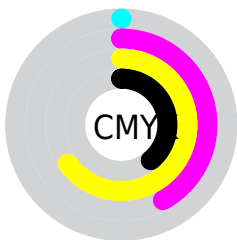
Distribution



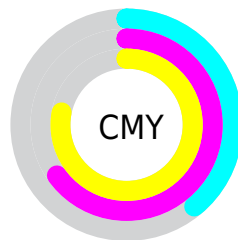
- Red (61%)
- Green (35%)
- Blue (22%)



- Red (61%)
- Yellow (43%)
- Blue (22%)



- Cyan (0%)
- Magenta (42%)
- Yellow (65%)
- Black (39%)





- Cyan (39%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5567, 0.4713, 0.3841 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 14.5567, 0.4713, 0.3841 by changing the saturation by 10% instead.


 14.5567, 0.4713,
0.3841


 14.5567, 0.4713,
0.3841


220.6671, 0.3777,
0.3575


 8.5089, 0.4994,
0.3881


 34.0736, 0.4336,
0.3756


 4.4222, 0.5377,
0.3898


 48.3115, 0.4206,
0.3720

 1.9125, 0.6065,
0.3935


 66.0481, 0.4100,
0.3687

 0.5559, 0.6695,
0.3305

 87.6680, 0.4012,
0.3659

 0.0000, 1.0000,
0.0000

 113.5554, 0.3939,
0.3634

 0.0000, 0.0000,
0.0000

 144.0948, 0.3877,

0.3612

179.6706, 0.3823,
0.3592

■ 14.5567, 0.4713,
0.3841

■ 14.5567, 0.4713,
0.3841

■ 12.8460, 0.5053,
0.3874

■ 16.5458, 0.4384,
0.3777

■ 11.3977, 0.5379,
0.3865

■ 18.8236, 0.4080,
0.3695

■ 10.1971, 0.5664,
0.3808

■ 21.4027, 0.3810,
0.3603

■ 9.6330, 0.5810,
0.3769

■ 24.2941, 0.3574,
0.3508

■ 27.5083, 0.3371,
0.3416

■ 31.0553, 0.3197,
0.3328

■ 34.9444, 0.3049,
0.3246

■ 39.1849, 0.2923,
0.3170

■ 43.7854, 0.2815,
0.3101

Harmonies

Analogous

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



14.5567, 0.4544, 0.3256



14.5567, 0.4713, 0.3841



14.5567, 0.4401, 0.4398

Triad

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



14.5567, 0.4713, 0.3841



14.5567, 0.2315, 0.3934



14.5567, 0.2372, 0.2102

Complementary

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



14.5567, 0.4713, 0.3841



16.6005, 0.2210, 0.2583

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.



14.5567, 0.1920, 0.2129



14.5567, 0.4713, 0.3841



14.5567, 0.1879, 0.3072

Square

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



14.5567, 0.4713, 0.3841



14.5567, 0.3004, 0.4626



14.5567, 0.1753, 0.2439



14.5567, 0.3085, 0.2315

Rectangle

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



14.5567, 0.4713, 0.3841



14.5567, 0.4002, 0.4675



14.5567, 0.1753, 0.2439



14.5567, 0.2190, 0.2083

Sweetspot

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



14.5575, 0.4713, 0.3841



46.4099, 0.3465, 0.3460



11.0537, 0.3786, 0.2290



10.1598, 0.3520, 0.3485



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.



14.5575, 0.4713, 0.3841



21.9230, 0.5186, 0.3876



25.9957, 0.4140, 0.4564



6.5590, 0.3275, 0.3368



7.8045, 0.5795, 0.3781



0.1806, 0.5077, 0.4351

Inverse Universe

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



16.6005, 0.2210, 0.2583



25.7300, 0.2069, 0.2399



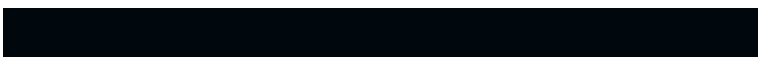
7.5558, 0.1968, 0.1536



6.6621, 0.2989, 0.3210



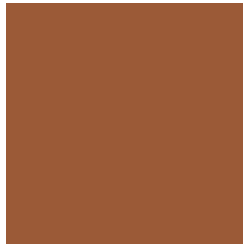
9.4039, 0.1925, 0.2128



0.2082, 0.2081, 0.2693

Previews

White Background



This preview shows how the Yxy color 14.5567, 0.4713, 0.3841 looks on a white background.

Color Contrast Check

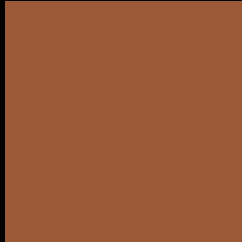
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5567, 0.4713, 0.3841 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 14.5567, 0.4713, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 14.5567, 0.4713, 0.3841.



This preview shows how white text looks on a background with the Yxy color 14.5567, 0.4713, 0.3841.

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

14.5567, 0.4713, 0.3841

Protanopia

14.6342, 0.3883, 0.4229

Deuteranopia

14.6562, 0.4273, 0.4207



Tritanopia

14.5964, 0.4194, 0.3194

Trichromacy



Original Color

14.5567, 0.4713, 0.3841

Protanomaly

14.4484, 0.4182, 0.4082

Deuteranomaly

14.5679, 0.4428, 0.4076

Tritanomaly

14.4488, 0.4392, 0.3425

Monochromacy



Original Color

14.5567, 0.4713, 0.3841

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0134, 0.3665, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5567, 0.4713, 0.3841 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(155, 90, 55)` looks like.

```
.text, #text, p{  
    color:rgb(155, 90, 55)  
}
```

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(155, 90, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 90, 55) }
```

Border

The CSS property to change the border of an element to Yxy 14.5567, 0.4713, 0.3841 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(155, 90, 55) }
```

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

```
.border{ border-color:rgb(155, 90, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 90, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 90, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 90, 55);  
box-shadow:4px 4px 4px 4px rgb(155, 90,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5567, 0.4713, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 90, 55) }
```

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

```
.background{ background-color: rgb(155, 90,  
55) }
```

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