

Converting Colors

$Y_{xy}(14.8198, 0.4957, 0.3548)$

Have a look what the booklet for
Yxy(14.8198, 0.4957, 0.3548)
contains.

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Color

Yxy(14.8449, 0.4963, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	AC503D
RGB	172, 80, 61
RGB Percent	67%, 31%, 24%
CMY	0.3255, 0.6863, 0.7608
CMYK	0.00, 0.53, 0.65, 0.33
HSL	10°, 48%, 46%
HSV	10°, 65%, 67%
XYZ	20.7244, 14.8449, 6.1885
YIQ	105.3420, 60.9310, 13.5950

Conversions

Conversions Part 2

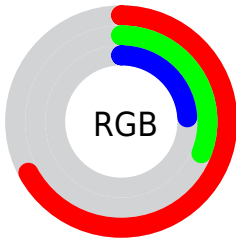
Format	Color
R_{YB}	172, 84, 61
Decimal	11292733
CIE Lab	45.42, 36.20, 29.00
CIE LCh	45, 46.383, 38.702
Yxy	14.8449, 0.4963, 0.3555
Android (android.graphics.Color)	4289482813 (0xFFAC503D)
YUV	105.3420, -21.8606, 58.4591
Hunter-Lab	38.5291, 28.5874, 17.4472

Details

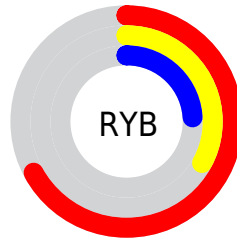
The Yxy color **14.8449, 0.4963, 0.3555** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.7533, 0.2291, 0.2952**, and the grayscale version is **14.2731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7625, 0.4524, 0.3551**, and **4.5496, 0.5728, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **12.8183, 0.5384, 0.3558**, and if you desaturate by 10%, it is **17.3755, 0.4556, 0.3530**.

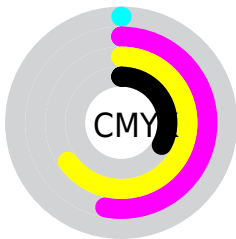
Distribution



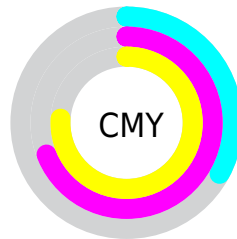
- Red (67%)
- Green (31%)
- Blue (24%)



- Red (67%)
- Yellow (33%)
- Blue (24%)



- Cyan (0%)
- Magenta (53%)
- Yellow (65%)
- Black (33%)





- Cyan (33%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8449, 0.4963, 0.3555 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 14.8449, 0.4963, 0.3555 by changing the saturation by 10% instead.


 14.8449, 0.4963,
0.3555


 14.8449, 0.4963,
0.3555


222.4255, 0.3877,
0.3469


 8.7106, 0.5291,
0.3536


 34.5809, 0.4525,
0.3546


 4.5529, 0.5738,
0.3470

 48.9513, 0.4374,
0.3535


 1.9874, 0.6592,
0.3408

 66.8359, 0.4251,
0.3523

 0.6001, 0.7290,
0.2710

 88.6191, 0.4150,
0.3511

 0.0000, 1.0000,
0.0000

 114.6853, 0.4065,
0.3499

 0.0000, 0.0000,
0.0000

 145.4188, 0.3993,

0.3489

181.2041, 0.3931,
0.3479

■ 14.8449, 0.4963,
0.3555

■ 14.8449, 0.4963,
0.3555

■ 12.8183, 0.5384,
0.3558

■ 17.3755, 0.4556,
0.3530

■ 11.2590, 0.5774,
0.3531

■ 20.4387, 0.4188,
0.3492

■ 10.1293, 0.6083,
0.3474

■ 24.0635, 0.3871,
0.3447

■ 9.6713, 0.6219,
0.3444

■ 28.2764, 0.3604,
0.3399

■ 33.1020, 0.3382,
0.3353

■ 38.5637, 0.3199,
0.3309

■ 44.6833, 0.3048,
0.3268

■ 51.4820, 0.2923,
0.3231

■ 58.9798, 0.2820,
0.3197

Harmonies

Analogous

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



14.8449, 0.4486, 0.2923



14.8449, 0.4963, 0.3555



14.8449, 0.4827, 0.4220

Triad

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



14.8449, 0.4963, 0.3555



14.8449, 0.2526, 0.4537



14.8449, 0.1965, 0.1911

Complementary

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



14.8449, 0.4963, 0.3555



26.7533, 0.2291, 0.2952

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.



14.8449, 0.1619, 0.2075



14.8449, 0.4963, 0.3555



14.8449, 0.1880, 0.3500

Square

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



14.8449, 0.4963, 0.3555



14.8449, 0.3387, 0.5047



14.8449, 0.1583, 0.2589



14.8449, 0.2634, 0.2029

Rectangle

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



14.8449, 0.4963, 0.3555



14.8449, 0.4463, 0.4640



14.8449, 0.1583, 0.2589



14.8449, 0.1814, 0.1932

Sweetspot

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



14.8457, 0.4963, 0.3555



55.7010, 0.3484, 0.3375



14.4252, 0.3459, 0.2039



11.5861, 0.3546, 0.3388



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.8457, 0.4963, 0.3555



22.0688, 0.5540, 0.3551



26.4361, 0.4342, 0.4328



8.2287, 0.3282, 0.3329



7.2547, 0.6204, 0.3456



0.2669, 0.5703, 0.3854

Inverse Universe

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



26.7533, 0.2291, 0.2952



45.0739, 0.2188, 0.2868



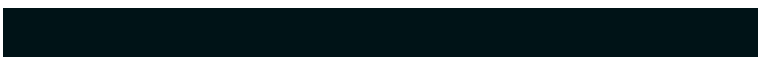
12.7068, 0.2044, 0.1891



8.8352, 0.2986, 0.3250



16.8069, 0.2096, 0.2744



0.5281, 0.2146, 0.2926

Previews

White Background



This preview shows how the Yxy color 14.8449, 0.4963, 0.3555 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 14.8449, 0.4963, 0.3555 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 14.8449, 0.4963, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 14.8449, 0.4963, 0.3555.



This preview shows how white text looks on a background with the Yxy color 14.8449, 0.4963, 0.3555.

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

14.8449, 0.4963, 0.3555

Protanopia

14.9620, 0.3748, 0.4053

Deuteranopia

14.9726, 0.4228, 0.4155



Tritanopia

14.8012, 0.4662, 0.3223

Trichromacy



Original Color

14.8449, 0.4963, 0.3555

Protanomaly

14.4590, 0.4194, 0.3863

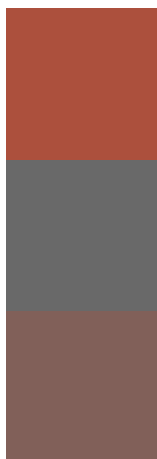
Deuteranomaly

14.6930, 0.4500, 0.3915

Tritanomaly

14.8274, 0.4790, 0.3351

Monochromacy



Original Color

14.8449, 0.4963, 0.3555

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7541, 0.3750, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8449, 0.4963, 0.3555 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(172, 80, 61)` looks like.

```
.text, #text, p{  
    color:rgb(172, 80, 61)  
}
```

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(172, 80, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 80, 61) }
```

Border

The CSS property to change the border of an element to Yxy 14.8449, 0.4963, 0.3555 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(172, 80, 61) }
```

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

```
.border{ border-color:rgb(172, 80, 61) }
```

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

Here you see how a box with a 4 pixel rgb(172, 80, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 80, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 80, 61);  
box-shadow:4px 4px 4px 4px rgb(172, 80,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8449, 0.4963, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 80, 61) }
```

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

```
.background{ background-color: rgb(172, 80,  
61) }
```

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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