

Converting Colors

$Y_{xy}(15.8311, 0.4982, 0.3296)$

Have a look what the booklet for
Yxy(15.8311, 0.4982, 0.3296)
contains.

Yxy(15.8311, 0.4982, 0.3296)	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(15.8311, 0.4982, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	BA4A4A
RGB	186, 74, 74
RGB Percent	73%, 29%, 29%
CMY	0.2707, 0.7097, 0.7098
CMYK	0.00, 0.60, 0.60, 0.27
HSL	0°, 45%, 51%
HSV	0°, 60%, 73%
XYZ	23.9292, 15.8311, 8.2710
YIQ	107.4880, 66.7520, 23.7440

Conversions

Conversions Part 2

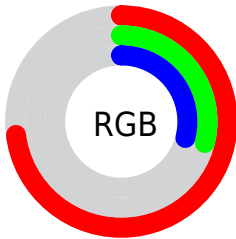
Format	Color
RYB	186, 74, 74
Decimal	12208714
CIELab	46.75, 45.24, 23.49
CIElCh	47, 50.971, 27.443
Yxy	15.8311, 0.4982, 0.3296
Android (android.graphics.Color)	4290398794 (0xFFBA4A4A)
YUV	107.4880, -16.5096, 68.8550
Hunter-Lab	39.7883, 37.7225, 15.5269

Details

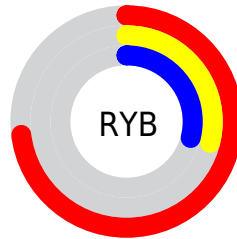
The Yxy color **15.8311, 0.4982, 0.3296** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **40.0860, 0.2397, 0.3287**, and the grayscale version is **14.8814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3830, 0.4541, 0.3336**, and **5.0067, 0.5777, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **13.4900, 0.5458, 0.3297**, and if you desaturate by 10%, it is **18.9814, 0.4527, 0.3295**.

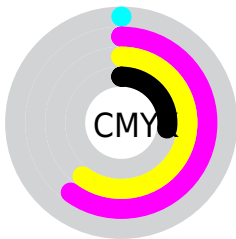
Distribution



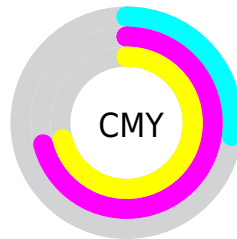
- Red (73%)
- Green (29%)
- Blue (29%)



- Red (73%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (27%)





- Cyan (27%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8311, 0.4982, 0.3296 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 15.8311, 0.4982, 0.3296 by changing the saturation by 10% instead.


 15.8311, 0.4982,
0.3296


 15.8311, 0.4982,
0.3296


228.3430, 0.3889,
0.3353

 9.4047, 0.5314,
0.3244


 36.3047, 0.4541,
0.3339


 5.0061, 0.5773,
0.3144

 51.1208, 0.4389,
0.3348


 2.2508, 0.6521,
0.2980

 69.5022, 0.4266,
0.3352

 0.7475, 0.7496,
0.2504

 91.8333, 0.4164,
0.3354

 0.0000, 1.0000,
0.0000

 118.4985, 0.4079,
0.3355

 0.0000, 0.0000,
0.0000

149.8823, 0.4006,

0.3355

186.3690, 0.3944,
0.3354

■ 15.8311, 0.4982,
0.3296

■ 15.8311, 0.4982,
0.3296

■ 13.4900, 0.5458,
0.3297

■ 18.9814, 0.4527,
0.3295

■ 11.8820, 0.5894,
0.3299

■ 23.0028, 0.4128,
0.3293

■ 10.9212, 0.6216,
0.3299

■ 27.9543, 0.3794,
0.3292

■ 10.4372, 0.6400,
0.3300

■ 33.8889, 0.3523,
0.3291

■ 40.8556, 0.3305,
0.3291

■ 48.9003, 0.3130,
0.3290

■ 58.0659, 0.2991,
0.3290

■ 68.3932, 0.2878,
0.3289

■ 79.9207, 0.2787,
0.3289

Harmonies

Analogous

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



15.8311, 0.4248, 0.2664



15.8311, 0.4982, 0.3296



15.8311, 0.5062, 0.3986

Triad

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



15.8311, 0.4982, 0.3296



15.8311, 0.2802, 0.4954



15.8311, 0.1719, 0.1855

Complementary

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



15.8311, 0.4982, 0.3296



40.0860, 0.2397, 0.3287

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.



15.8311, 0.1480, 0.2147



15.8311, 0.4982, 0.3296



15.8311, 0.2009, 0.3953

Square

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



15.8311, 0.4982, 0.3296



15.8311, 0.3734, 0.5159



15.8311, 0.1563, 0.2847



15.8311, 0.2291, 0.1878

Rectangle

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



15.8311, 0.4982, 0.3296



15.8311, 0.4778, 0.4457



15.8311, 0.1563, 0.2847



15.8311, 0.1604, 0.1914

Sweetspot

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



15.8320, 0.4982, 0.3296



63.7204, 0.3477, 0.3291



18.8756, 0.3192, 0.1910



13.2734, 0.3547, 0.3291



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.8320, 0.4982, 0.3296



23.4591, 0.5596, 0.3298



26.8898, 0.4432, 0.4046



9.0128, 0.3288, 0.3291



7.0245, 0.6400, 0.3300



0.2478, 0.6399, 0.3301

Inverse Universe

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



40.0860, 0.2397, 0.3287



71.2595, 0.2317, 0.3287



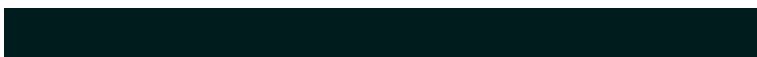
20.9594, 0.2183, 0.2327



10.2100, 0.2985, 0.3290



25.9901, 0.2246, 0.3286



0.9164, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 15.8311, 0.4982, 0.3296 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 15.8311, 0.4982, 0.3296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

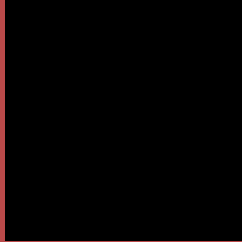
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8311, 0.4982, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 15.8311, 0.4982, 0.3296.



This preview shows how white text looks on a background with the Yxy color 15.8311, 0.4982, 0.3296.

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

15.8311, 0.4982, 0.3296

Protanopia

15.9586, 0.3495, 0.3718

Deuteranopia

15.8886, 0.4060, 0.3977



Tritanopia

15.7542, 0.4925, 0.3232

Trichromacy



Original Color

15.8311, 0.4982, 0.3296

Protanomaly

15.2151, 0.4029, 0.3545

Deuteranomaly

15.3304, 0.4424, 0.3672

Tritanomaly

15.7400, 0.4942, 0.3245

Monochromacy



Original Color

15.8311, 0.4982, 0.3296

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2449, 0.3769, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8311, 0.4982, 0.3296 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(186, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(186, 74, 74)  
}
```

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(186, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 74, 74) }
```

Border

The CSS property to change the border of an element to Yxy 15.8311, 0.4982, 0.3296 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(186, 74, 74) }
```

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

```
.border{ border-color:rgb(186, 74, 74) }
```

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

Here you see how a box with a 4 pixel rgb(186, 74, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 74, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 74, 74);  
box-shadow:4px 4px 4px 4px rgb(186, 74,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8311, 0.4982, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 74, 74) }
```

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

```
.background{ background-color: rgb(186, 74,  
74) }
```

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