

Converting Colors

$Y_{xy}(15.4901, 0.5193, 0.3179)$

Have a look what the booklet for
Yxy(15.4901, 0.5193, 0.3179)
contains.

Yxy(15.3956, 0.5189, 0.3173)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3956, 0.5189, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	C23E49
RGB	194, 62, 73
RGB Percent	76%, 24%, 29%
CMY	0.2391, 0.7569, 0.7137
CMYK	0.00, 0.68, 0.62, 0.24
HSL	355°, 52%, 50%
HSV	355°, 68%, 76%
XYZ	25.1774, 15.3956, 7.9477
YIQ	102.7220, 75.1410, 31.4050

Conversions

Conversions Part 2

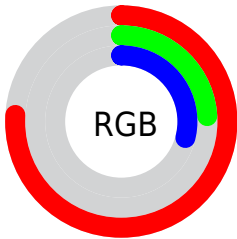
Format	Color
R_{YB}	194, 62, 73
Decimal	12729929
CIE _{Lab}	46.17, 53.14, 23.61
CIE _{LCh}	46, 58.144, 23.956
Yxy	15.3956, 0.5189, 0.3173
Android (android.graphics.Color)	4290920009 (0xFFC23E49)
YUV	102.7220, -14.6529, 80.0508
Hunter-Lab	39.2372, 45.8730, 15.4566

Details

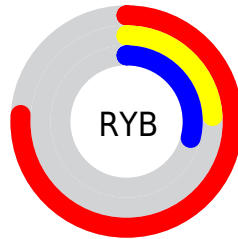
The Yxy color **15.3956, 0.5189, 0.3173** is a dark color, and the websafe version is hex **993333**. The color can be described as dark muted red. A complement of this color would be **43.0355, 0.2398, 0.3459**, and the grayscale version is **13.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3631, 0.4699, 0.3255**, and **5.1621, 0.5948, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **13.4474, 0.5635, 0.3185**, and if you desaturate by 10%, it is **18.1659, 0.4739, 0.3176**.

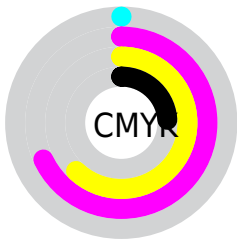
Distribution



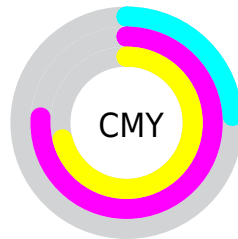
- Red (76%)
- Green (24%)
- Blue (29%)



- Red (76%)
- Yellow (24%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (62%)
- Black (24%)




- Cyan (24%)
- Magenta (76%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3956, 0.5189, 0.3173 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 15.3956, 0.5189, 0.3173 by changing the saturation by 10% instead.


 15.3956, 0.5189,
0.3173


 15.3956, 0.5189,
0.3173


225.7484, 0.3974,
0.3310


 9.0975, 0.5555,
0.3093


 35.5457, 0.4700,
0.3251


 4.8048, 0.6057,
0.2953

 50.1665, 0.4531,
0.3271

 2.1332, 0.6881,
0.2736

 68.3303, 0.4393,
0.3284

 0.6832, 0.7854,
0.2146

 90.4215, 0.4280,
0.3293

 0.0000, 1.0000,
0.0000

 116.8245, 0.4185,
0.3300

 0.0000, 0.0000,
0.0000

147.9237, 0.4104,

0.3304

184.1035, 0.4035,
0.3308

■ 15.3956, 0.5189,
0.3173

■ 15.3956, 0.5189,
0.3173

■ 13.4474, 0.5635,
0.3185

■ 18.1659, 0.4739,
0.3176

■ 12.2283, 0.6016,
0.3212

■ 21.8329, 0.4327,
0.3189

■ 11.6033, 0.6275,
0.3248

■ 26.4659, 0.3974,
0.3209

■ 11.5101, 0.6313,
0.3251

■ 32.1266, 0.3682,
0.3230

■ 38.8716, 0.3444,
0.3253

■ 46.7534, 0.3253,
0.3274

■ 55.8210, 0.3100,
0.3294

■ 66.1206, 0.2976,
0.3312

■ 77.6959, 0.2876,
0.3329

Harmonies

Analogous

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



15.3956, 0.4276, 0.2504



15.3956, 0.5189, 0.3173



15.3956, 0.5333, 0.3913

Triad

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



15.3956, 0.5189, 0.3173



15.3956, 0.2840, 0.5329



15.3956, 0.1514, 0.1707

Complementary

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



15.3956, 0.5189, 0.3173



43.0355, 0.2398, 0.3459

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.



15.3956, 0.1295, 0.2052



15.3956, 0.5189, 0.3173



15.3956, 0.1933, 0.4217

Square

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



15.3956, 0.5189, 0.3173



15.3956, 0.3874, 0.5375



15.3956, 0.1412, 0.2883



15.3956, 0.2087, 0.1704

Rectangle

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



15.3956, 0.5189, 0.3173



15.3956, 0.5028, 0.4442



15.3956, 0.1412, 0.2883



15.3956, 0.1404, 0.1778

Sweetspot

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



15.3965, 0.5189, 0.3173



67.4665, 0.3494, 0.3248



17.1410, 0.3036, 0.1708



13.9910, 0.3560, 0.3241



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.3965, 0.5189, 0.3173



23.0458, 0.5848, 0.3197



24.0351, 0.4798, 0.3945



10.0912, 0.3276, 0.3271



7.5709, 0.6295, 0.3242



0.3319, 0.5946, 0.3049

Inverse Universe

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



15.3965, 0.5189, 0.3173



23.0458, 0.5848, 0.3197



24.0300, 0.2131, 0.2406



10.0912, 0.3276, 0.3271



7.5709, 0.6295, 0.3242



0.3319, 0.5946, 0.3049

Previews

White Background



This preview shows how the Yxy color 15.3956, 0.5189, 0.3173 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 15.3956, 0.5189, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

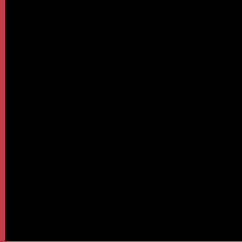
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3956, 0.5189, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 15.3956, 0.5189, 0.3173.



This preview shows how white text looks on a background with the Yxy color 15.3956, 0.5189, 0.3173.

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

15.3956, 0.5189, 0.3173

Protanopia

15.6552, 0.3430, 0.3640

Deuteranopia

15.5648, 0.4094, 0.4016



Tritanopia

15.4177, 0.5294, 0.3264

Trichromacy



Original Color

15.3956, 0.5189, 0.3173

Protanomaly

14.4299, 0.4050, 0.3418

Deuteranomaly

14.6423, 0.4534, 0.3616

Tritanomaly

15.4540, 0.5246, 0.3230

Monochromacy



Original Color

15.3956, 0.5189, 0.3173

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9864, 0.3858, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3956, 0.5189, 0.3173 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(194, 62, 73)` looks like.

```
.text, #text, p{  
    color:rgb(194, 62, 73)  
}
```

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(194, 62, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 62, 73) }
```

Border

The CSS property to change the border of an element to Yxy 15.3956, 0.5189, 0.3173 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(194, 62, 73) }
```

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

```
.border{ border-color:rgb(194, 62, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 62, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 62, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 62, 73);  
box-shadow:4px 4px 4px 4px rgb(194, 62,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3956, 0.5189, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 62, 73) }
```

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

```
.background{ background-color: rgb(194, 62,  
73) }
```

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