

Converting Colors

$Y_{xy}(15.7811, 0.5102, 0.3173)$

Have a look what the booklet for
Yxy(15.7811, 0.5102, 0.3173)
contains.

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Color

Yxy(15.8876, 0.5105, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	C2424C
RGB	194, 66, 76
RGB Percent	76%, 26%, 30%
CMY	0.2393, 0.7411, 0.7020
CMYK	0.00, 0.66, 0.61, 0.24
HSL	355°, 51%, 51%
HSV	355°, 66%, 76%
XYZ	25.4971, 15.8876, 8.5606
YIQ	105.4120, 73.0780, 30.2460

Conversions

Conversions Part 2

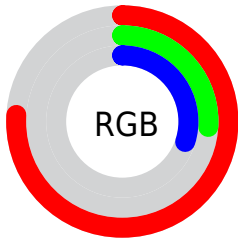
Format	Color
RYB	194, 66, 76
Decimal	12730956
CIELab	46.83, 51.66, 22.64
CIElCh	47, 56.408, 23.666
Yxy	15.8876, 0.5105, 0.3181
Android (android.graphics.Color)	4290921036 (0xFFC2424C)
YUV	105.4120, -14.5001, 77.6917
Hunter-Lab	39.8593, 44.4288, 15.1677

Details

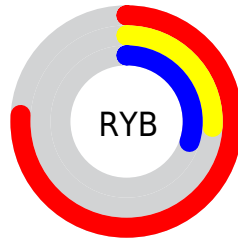
The Yxy color **15.8876, 0.5105, 0.3181** is a dark color, and the websafe version is hex **993333**. The color can be described as dark muted red. A complement of this color would be **43.1947, 0.2406, 0.3442**, and the grayscale version is **14.2727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4154, 0.4627, 0.3254**, and **5.1726, 0.5903, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **13.7771, 0.5558, 0.3189**, and if you desaturate by 10%, it is **18.8375, 0.4658, 0.3186**.

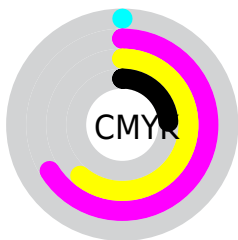
Distribution



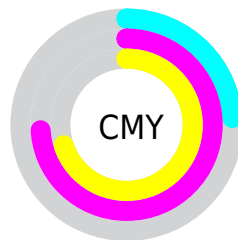
- Red (76%)
- Green (26%)
- Blue (30%)



- Red (76%)
- Yellow (26%)
- Blue (30%)



- Cyan (0%)
- Magenta (66%)
- Yellow (61%)
- Black (24%)





- Cyan (24%)
- Magenta (74%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8876, 0.5105, 0.3181 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 15.8876, 0.5105, 0.3181 by changing the saturation by 10% instead.


 15.8876, 0.5105,
0.3181


 15.8876, 0.5105,
0.3181


228.6776, 0.3943,
0.3307


 9.4447, 0.5456,
0.3108


 36.4030, 0.4637,
0.3253


 5.0323, 0.5938,
0.2980

 51.2442, 0.4475,
0.3271

 2.2662, 0.6690,
0.2767

 69.6536, 0.4344,
0.3283

 0.7558, 0.7727,
0.2273

 92.0156, 0.4236,
0.3292

 0.0000, 1.0000,
0.0000

 118.7146, 0.4145,
0.3298

 0.0000, 0.0000,
0.0000

150.1350, 0.4067,

0.3302

186.6612, 0.4000,
0.3305

■ 15.8876, 0.5105,
0.3181

■ 15.8876, 0.5105,
0.3181

■ 13.7771, 0.5558,
0.3189

■ 18.8375, 0.4658,
0.3186

■ 12.4161, 0.5957,
0.3212

■ 22.6994, 0.4255,
0.3200

■ 11.6960, 0.6240,
0.3247

■ 27.5410, 0.3913,
0.3218

■ 11.5014, 0.6320,
0.3255

■ 33.4229, 0.3631,
0.3239

■ 40.4008, 0.3402,
0.3259

■ 48.5265, 0.3219,
0.3279

■ 57.8484, 0.3071,
0.3297

■ 68.4122, 0.2953,
0.3314

■ 80.2612, 0.2856,
0.3329

Harmonies

Analogous

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



15.8876, 0.4222, 0.2526



15.8876, 0.5105, 0.3181



15.8876, 0.5263, 0.3905

Triad

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



15.8876, 0.5105, 0.3181



15.8876, 0.2871, 0.5242



15.8876, 0.1557, 0.1757

Complementary

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



15.8876, 0.5105, 0.3181



43.1947, 0.2406, 0.3442

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.



15.8876, 0.1347, 0.2103



15.8876, 0.5105, 0.3181



15.8876, 0.1987, 0.4192

Square

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



15.8876, 0.5105, 0.3181



15.8876, 0.3876, 0.5299



15.8876, 0.1469, 0.2917



15.8876, 0.2115, 0.1749

Rectangle

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



15.8876, 0.5105, 0.3181



15.8876, 0.4980, 0.4417



15.8876, 0.1469, 0.2917



15.8876, 0.1451, 0.1830

Sweetspot

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



15.8885, 0.5105, 0.3181



67.4530, 0.3496, 0.3250



17.9004, 0.3067, 0.1755



13.9877, 0.3562, 0.3244



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.



15.8885, 0.5105, 0.3181



23.7513, 0.5740, 0.3197



25.1357, 0.4708, 0.3962



10.0903, 0.3277, 0.3272



7.5686, 0.6303, 0.3246



0.3315, 0.5973, 0.3064

Inverse Universe

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



15.8885, 0.5105, 0.3181



23.7513, 0.5740, 0.3197



24.0053, 0.2146, 0.2401



10.0903, 0.3277, 0.3272



7.5686, 0.6303, 0.3246



0.3315, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 15.8876, 0.5105, 0.3181 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 15.8876, 0.5105, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

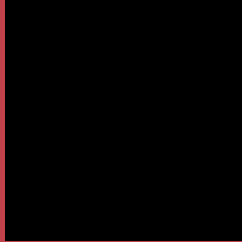
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8876, 0.5105, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 15.8876, 0.5105, 0.3181.



This preview shows how white text looks on a background with the Yxy color 15.8876, 0.5105, 0.3181.

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

15.8876, 0.5105, 0.3181

Protanopia

15.9953, 0.3402, 0.3596

Deuteranopia

16.1085, 0.4038, 0.3977



Tritanopia

15.9386, 0.5179, 0.3251

Trichromacy



Original Color

15.8876, 0.5105, 0.3181

Protanomaly

14.9254, 0.4002, 0.3400

Deuteranomaly

15.1901, 0.4457, 0.3619

Tritanomaly

15.9647, 0.5147, 0.3227

Monochromacy



Original Color

15.8876, 0.5105, 0.3181

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.6087, 0.3823, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8876, 0.5105, 0.3181 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, 66, 76)` looks like.

```
.text, #text, p{  
    color:rgb(194, 66, 76)  
}
```

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, 66, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 66, 76) }
```

Border

The CSS property to change the border of an element to Yxy 15.8876, 0.5105, 0.3181 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, 66, 76) }
```

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

```
.border{ border-color:rgb(194, 66, 76) }
```

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

Here you see how a box with a 4 pixel rgb(194, 66, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 66, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 66, 76);  
box-shadow:4px 4px 4px 4px rgb(194, 66,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8876, 0.5105, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 66, 76) }
```

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

```
.background{ background-color: rgb(194, 66,  
76) }
```

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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