

Converting Colors

$Y_{xy}(15.8836, 0.5192, 0.3196)$

Have a look what the booklet for
Yxy(15.8836, 0.5192, 0.3196)
contains.

Yxy(15.8836, 0.5192, 0.3196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8836, 0.5192, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	C44049
RGB	196, 64, 73
RGB Percent	77%, 25%, 29%
CMY	0.2313, 0.7490, 0.7137
CMYK	0.00, 0.67, 0.63, 0.23
HSL	356°, 53%, 51%
HSV	356°, 67%, 77%
XYZ	25.8034, 15.8836, 8.0114
YIQ	104.4940, 75.7830, 30.7830

Conversions

Conversions Part 2

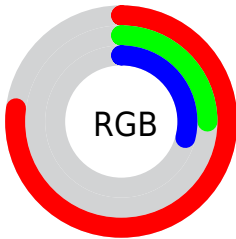
Format	Color
R_{YB}	196, 64, 73
Decimal	12861513
CIE Lab	46.82, 52.97, 24.51
CIE LCh	47, 58.367, 24.826
Yxy	15.8836, 0.5192, 0.3196
Android (android.graphics.Color)	4291051593 (0xFFC44049)
YUV	104.4940, -15.5265, 80.2508
Hunter-Lab	39.8542, 45.8239, 15.9797

Details

The Yxy color **15.8836, 0.5192, 0.3196** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **44.1619, 0.2391, 0.3426**, and the grayscale version is **14.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8588, 0.4675, 0.3265**, and **5.3280, 0.5961, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **13.8414, 0.5643, 0.3206**, and if you desaturate by 10%, it is **18.7752, 0.4737, 0.3198**.

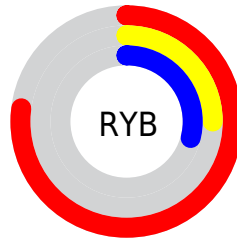
Distribution



Red (77%)

Green (25%)

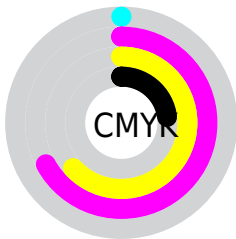
Blue (29%)



Red (77%)

Yellow (25%)

Blue (29%)

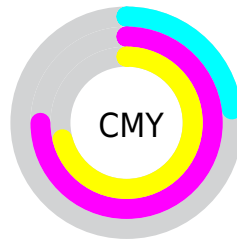


Cyan (0%)

Magenta (67%)

Yellow (63%)

Black (23%)



Cyan (23%)


Magenta (75%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8836, 0.5192, 0.3196 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 15.8836, 0.5192, 0.3196 by changing the saturation by 10% instead.


 15.8836, 0.5192,
0.3196


 15.8836, 0.5192,
0.3196


228.6539, 0.3981,
0.3321


 9.4418, 0.5554,
0.3120


 36.3960, 0.4707,
0.3270


 5.0305, 0.6047,
0.2984

 51.2354, 0.4538,
0.3288

 2.2652, 0.6843,
0.2773

 69.6429, 0.4401,
0.3300

 0.7552, 0.7773,
0.2227

 92.0027, 0.4287,
0.3308

 0.0000, 1.0000,
0.0000

 118.6993, 0.4192,
0.3313

 0.0000, 0.0000,
0.0000

150.1171, 0.4111,

0.3317

186.6405, 0.4042,
0.3319

■ 15.8836, 0.5192,
0.3196

■ 15.8836, 0.5192,
0.3196

■ 13.8414, 0.5643,
0.3206

■ 18.7752, 0.4737,
0.3198

■ 12.5540, 0.6027,
0.3228

■ 22.5925, 0.4322,
0.3209

■ 11.8943, 0.6284,
0.3259

■ 27.4061, 0.3967,
0.3225

■ 11.7672, 0.6333,
0.3262

■ 33.2791, 0.3673,
0.3243

■ 40.2696, 0.3435,
0.3261

■ 48.4313, 0.3243,
0.3278

■ 57.8143, 0.3090,
0.3294

■ 68.4660, 0.2966,
0.3309

■ 80.4313, 0.2866,
0.3322

Harmonies

Analogous

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



15.8836, 0.4303, 0.2526



15.8836, 0.5192, 0.3196



15.8836, 0.5314, 0.3935

Triad

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



15.8836, 0.5192, 0.3196



15.8836, 0.2814, 0.5295



15.8836, 0.1533, 0.1710

Complementary

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



15.8836, 0.5192, 0.3196



44.1619, 0.2391, 0.3426

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.



15.8836, 0.1305, 0.2044



15.8836, 0.5192, 0.3196



15.8836, 0.1920, 0.4170

Square

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



15.8836, 0.5192, 0.3196



15.8836, 0.3844, 0.5376



15.8836, 0.1412, 0.2855



15.8836, 0.2115, 0.1716

Rectangle

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



15.8836, 0.5192, 0.3196



15.8836, 0.5001, 0.4462



15.8836, 0.1412, 0.2855



15.8836, 0.1420, 0.1778

Sweetspot

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



15.8845, 0.5192, 0.3196



68.9744, 0.3500, 0.3255



17.9675, 0.3064, 0.1731



13.9821, 0.3567, 0.3250



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.



15.8845, 0.5192, 0.3196



23.7649, 0.5845, 0.3215



25.3011, 0.4753, 0.3970



10.0888, 0.3278, 0.3275



7.5649, 0.6316, 0.3253



0.3308, 0.6022, 0.3091

Inverse Universe

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



15.8845, 0.5192, 0.3196



23.7649, 0.5845, 0.3215



24.1266, 0.2129, 0.2377



10.0888, 0.3278, 0.3275



7.5649, 0.6316, 0.3253



0.3308, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 15.8836, 0.5192, 0.3196 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 15.8836, 0.5192, 0.3196 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 15.8836, 0.5192, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 15.8836, 0.5192, 0.3196.



This preview shows how white text looks on a background with the Yxy color 15.8836, 0.5192, 0.3196.

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

15.8836, 0.5192, 0.3196

Protanopia

16.0107, 0.3455, 0.3656

Deuteranopia

16.1430, 0.4104, 0.4041



Tritanopia

15.9337, 0.5264, 0.3264

Trichromacy



Original Color

15.8836, 0.5192, 0.3196

Protanomaly

14.7883, 0.4073, 0.3434

Deuteranomaly

15.1809, 0.4540, 0.3644

Tritanomaly

15.9586, 0.5232, 0.3241

Monochromacy



Original Color

15.8836, 0.5192, 0.3196

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2534, 0.3851, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8836, 0.5192, 0.3196 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(196, 64, 73)` looks like.

```
.text, #text, p{  
    color:rgb(196, 64, 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(196, 64, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 64, 73) }
```

Border

The CSS property to change the border of an element to Yxy 15.8836, 0.5192, 0.3196 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(196, 64, 73) }
```

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

```
.border{ border-color:rgb(196, 64, 73) }
```

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

Here you see how a box with a 4 pixel rgb(196, 64, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 64, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 64, 73);  
box-shadow:4px 4px 4px 4px rgb(196, 64,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8836, 0.5192, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 64, 73) }
```

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

```
.background{ background-color: rgb(196, 64,  
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](#).

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