

Converting Colors

$Y_{xy}(17.4062, 0.4924, 0.3110)$

Have a look what the booklet for
Yxy(17.4062, 0.4924, 0.3110)
contains.

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Color

Yxy(17.4650, 0.4928, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	C74857
RGB	199, 72, 87
RGB Percent	78%, 28%, 34%
CMY	0.2195, 0.7177, 0.6588
CMYK	0.00, 0.64, 0.56, 0.22
HSL	353°, 53%, 53%
HSV	353°, 64%, 78%
XYZ	27.5946, 17.4650, 10.9359
YIQ	111.6830, 70.8770, 31.5890

Conversions

Conversions Part 2

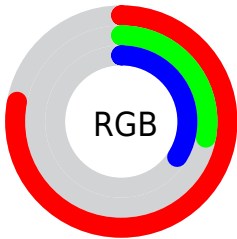
Format	Color
RYB	199, 72, 87
Decimal	13060183
CIELab	48.84, 51.59, 18.83
CIELCh	49, 54.921, 20.048
Yxy	17.4650, 0.4928, 0.3119
Android (android.graphics.Color)	4291250263 (0xFFC74857)
YUV	111.6830, -12.1687, 76.5770
Hunter-Lab	41.7911, 44.7286, 13.7388

Details

The Yxy color **17.4650, 0.4928, 0.3119** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **45.6922, 0.2444, 0.3517**, and the grayscale version is **16.1258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9879, 0.4457, 0.3182**, and **5.7430, 0.5678, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **15.0436, 0.5373, 0.3123**, and if you desaturate by 10%, it is **20.7906, 0.4505, 0.3132**.

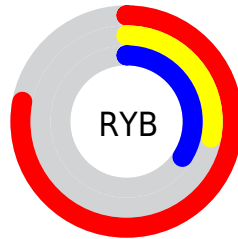
Distribution



Red (78%)

Green (28%)

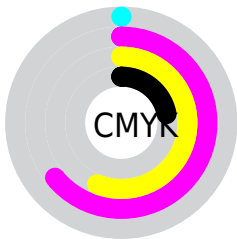
Blue (34%)



Red (78%)

Yellow (28%)

Blue (34%)

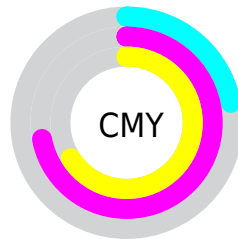


Cyan (0%)

Magenta (64%)

Yellow (56%)

Black (22%)



Cyan (22%)


Magenta (72%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4650, 0.4928, 0.3119 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 17.4650, 0.4928, 0.3119 by changing the saturation by 10% instead.


 17.4650, 0.4928,
0.3119


 17.4650, 0.4928,
0.3119


237.8380, 0.3880,
0.3265


 10.5666, 0.5243,
0.3051


 39.1236, 0.4508,
0.3192


 5.7762, 0.5678,
0.2938

 54.6525, 0.4363,
0.3213


 2.7095, 0.6303,
0.2734

 73.8270, 0.4244,
0.3229

 0.9820, 0.7557,
0.2443

 97.0316, 0.4146,
0.3240

 0.0000, 1.0000,
0.0000

 124.6506, 0.4064,
0.3249

 0.0000, 0.0000,
0.0000

157.0684, 0.3993,

0.3255

194.6694, 0.3933,
0.3261

■ 17.4650, 0.4928,
0.3119

■ 17.4650, 0.4928,
0.3119

■ 15.0436, 0.5373,
0.3123

■ 20.7906, 0.4505,
0.3132

■ 13.4346, 0.5789,
0.3149

■ 25.0947, 0.4132,
0.3156

■ 12.5319, 0.6117,
0.3196

■ 30.4473, 0.3817,
0.3186

■ 12.2084, 0.6263,
0.3224

■ 36.9110, 0.3559,
0.3218

■ 44.5437, 0.3350,
0.3250

■ 53.3992, 0.3182,
0.3279

■ 63.5279, 0.3047,
0.3307

■ 74.9773, 0.2938,
0.3332

■ 87.7927, 0.2849,
0.3355

Harmonies

Analogous

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



17.4650, 0.4034, 0.2496



17.4650, 0.4928, 0.3119



17.4650, 0.5179, 0.3815

Triad

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



17.4650, 0.4928, 0.3119



17.4650, 0.3015, 0.5177



17.4650, 0.1583, 0.1847

Complementary

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



17.4650, 0.4928, 0.3119



45.6922, 0.2444, 0.3517

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.



17.4650, 0.1417, 0.2235



17.4650, 0.4928, 0.3119



17.4650, 0.2137, 0.4287

Square

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



17.4650, 0.4928, 0.3119



17.4650, 0.3972, 0.5152



17.4650, 0.1584, 0.3075



17.4650, 0.2081, 0.1800

Rectangle

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



17.4650, 0.4928, 0.3119



17.4650, 0.4968, 0.4302



17.4650, 0.1584, 0.3075



17.4650, 0.1492, 0.1933

Sweetspot

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



17.4660, 0.4928, 0.3119



70.4355, 0.3459, 0.3233



18.7123, 0.2995, 0.1755



14.2709, 0.3522, 0.3223



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.



17.4660, 0.4928, 0.3119



24.9593, 0.5559, 0.3132



25.7026, 0.4708, 0.3870



10.6570, 0.3271, 0.3263



7.8557, 0.6240, 0.3211



0.3789, 0.5808, 0.2973

Inverse Universe

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



17.4660, 0.4928, 0.3119



24.9593, 0.5559, 0.3132



28.1011, 0.2196, 0.2541



10.6570, 0.3271, 0.3263



7.8557, 0.6240, 0.3211



0.3789, 0.5808, 0.2973

Previews

White Background



This preview shows how the Yxy color 17.4650, 0.4928, 0.3119 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 17.4650, 0.4928, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

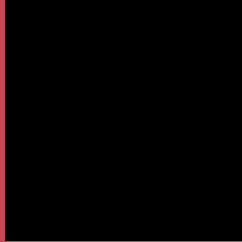
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4650, 0.4928, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 17.4650, 0.4928, 0.3119.



This preview shows how white text looks on a background with the Yxy color 17.4650, 0.4928, 0.3119.

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

17.4650, 0.4928, 0.3119

Protanopia

17.6384, 0.3290, 0.3446

Deuteranopia

17.6714, 0.3910, 0.3854



Tritanopia

17.5897, 0.5058, 0.3250

Trichromacy



Original Color

17.4650, 0.4928, 0.3119

Protanomaly

16.4240, 0.3859, 0.3292

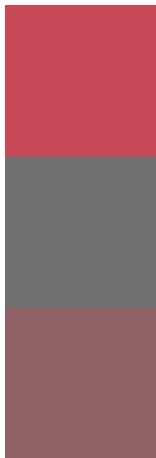
Deuteranomaly

16.7510, 0.4312, 0.3518

Tritanomaly

17.5013, 0.5019, 0.3203

Monochromacy



Original Color

17.4650, 0.4928, 0.3119

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.4580, 0.3755, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4650, 0.4928, 0.3119 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(199, 72, 87)` looks like.

```
.text, #text, p{  
    color:rgb(199, 72, 87)  
}
```

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(199, 72, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 72, 87) }
```

Border

The CSS property to change the border of an element to Yxy 17.4650, 0.4928, 0.3119 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(199, 72, 87) }
```

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

```
.border{ border-color:rgb(199, 72, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 72, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 72, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 72, 87);  
box-shadow:4px 4px 4px 4px rgb(199, 72,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4650, 0.4928, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 72, 87) }
```

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

```
.background{ background-color: rgb(199, 72,  
87) }
```

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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