

Converting Colors

$Y_{xy}(17.8081, 0.4796, 0.3067)$

Have a look what the booklet for
Yxy(17.8081, 0.4796, 0.3067)
contains.

Yxy(17.6936, 0.4802, 0.3066)	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(17.6936, 0.4802, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	C64A5D
RGB	198, 74, 93
RGB Percent	78%, 29%, 36%
CMY	0.2235, 0.7098, 0.6354
CMYK	0.00, 0.63, 0.53, 0.22
HSL	351°, 52%, 53%
HSV	351°, 63%, 78%
XYZ	27.7119, 17.6936, 12.3036
YIQ	113.2420, 67.8050, 32.1970

Conversions

Conversions Part 2

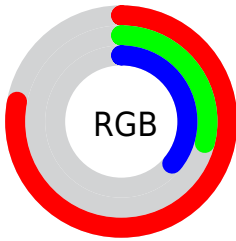
Format	Color
RYB	198, 74, 93
Decimal	12995165
CIELab	49.12, 50.85, 15.59
CIELCh	49, 53.184, 17.044
Yxy	17.6936, 0.4802, 0.3066
Android (android.graphics.Color)	4291185245 (0xFFC64A5D)
YUV	113.2420, -9.9793, 74.3328
Hunter-Lab	42.0638, 43.9854, 12.1024

Details

The Yxy color **17.6936, 0.4802, 0.3066** 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 **45.1000, 0.2473, 0.3580**, and the grayscale version is **16.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6815, 0.4376, 0.3139**, and **5.9113, 0.5520, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **15.1883, 0.5232, 0.3065**, and if you desaturate by 10%, it is **21.0978, 0.4401, 0.3087**.

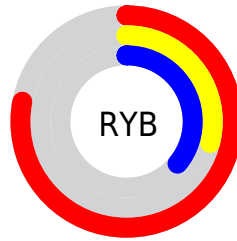
Distribution



Red (78%)

Green (29%)

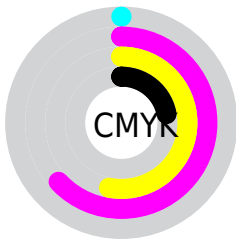
Blue (36%)



Red (78%)

Yellow (29%)

Blue (36%)

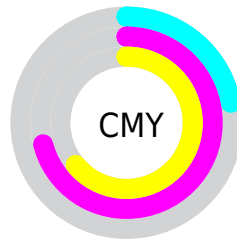


Cyan (0%)

Magenta (63%)

Yellow (53%)

Black (22%)



Cyan (22%)

Magenta (71%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6936, 0.4802, 0.3066 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 17.6936, 0.4802, 0.3066 by changing the saturation by 10% instead.


 17.6936, 0.4802,
0.3066


 17.6936, 0.4802,
0.3066


239.1383, 0.3828,
0.3233


 10.7302, 0.5097,
0.2997


 39.5145, 0.4411,
0.3144

 5.8857, 0.5507,
0.2886

 55.1409, 0.4276,
0.3168


 2.7757, 0.6105,
0.2694

 74.4237, 0.4166,
0.3186

 1.0158, 0.7492,
0.2484

 97.7473, 0.4075,
0.3199

 0.0000, 1.0000,
0.0000

 125.4962, 0.3998,
0.3210

 0.0000, 0.0000,
0.0000

158.0548, 0.3933,

0.3219

195.8073, 0.3877,
0.3226

■ 17.6936, 0.4802,
0.3066

■ 17.6936, 0.4802,
0.3066

■ 15.1883, 0.5232,
0.3065

■ 21.0978, 0.4401,
0.3087

■ 13.4935, 0.5650,
0.3090

■ 25.4726, 0.4051,
0.3121

■ 12.5082, 0.6001,
0.3143

■ 30.8856, 0.3757,
0.3160

■ 12.1007, 0.6196,
0.3187

■ 37.3976, 0.3516,
0.3202

■ 45.0649, 0.3321,
0.3242

■ 53.9395, 0.3163,
0.3280

■ 64.0708, 0.3036,
0.3316

■ 75.5049, 0.2933,
0.3348

■ 88.2859, 0.2849,
0.3377

Harmonies

Analogous

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



17.6936, 0.3898, 0.2467



17.6936, 0.4802, 0.3066



17.6936, 0.5121, 0.3743

Triad

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



17.6936, 0.4802, 0.3066



17.6936, 0.3122, 0.5140



17.6936, 0.1594, 0.1910

Complementary

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



17.6936, 0.4802, 0.3066



45.1000, 0.2473, 0.3580

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.



17.6936, 0.1464, 0.2333



17.6936, 0.4802, 0.3066



17.6936, 0.2247, 0.4362

Square

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



17.6936, 0.4802, 0.3066



17.6936, 0.4046, 0.5053



17.6936, 0.1667, 0.3195



17.6936, 0.2048, 0.1833

Rectangle

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



17.6936, 0.4802, 0.3066



17.6936, 0.4962, 0.4215



17.6936, 0.1667, 0.3195



17.6936, 0.1516, 0.2008

Sweetspot

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



17.6946, 0.4802, 0.3066



70.5208, 0.3446, 0.3215



18.3628, 0.2951, 0.1756



14.2911, 0.3506, 0.3204



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.



17.6946, 0.4802, 0.3066



25.6888, 0.5383, 0.3071



24.8395, 0.4708, 0.3810



10.6629, 0.3266, 0.3255



7.8776, 0.6171, 0.3173



0.3817, 0.5660, 0.2892

Inverse Universe

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



17.6946, 0.4802, 0.3066



25.6888, 0.5383, 0.3071



29.5358, 0.2227, 0.2629



10.6629, 0.3266, 0.3255



7.8776, 0.6171, 0.3173



0.3817, 0.5660, 0.2892

Previews

White Background



This preview shows how the Yxy color 17.6936, 0.4802, 0.3066 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 17.6936, 0.4802, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

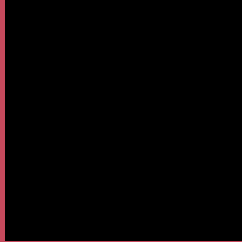
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6936, 0.4802, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 17.6936, 0.4802, 0.3066.



This preview shows how white text looks on a background with the Yxy color 17.6936, 0.4802, 0.3066.

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

17.6936, 0.4802, 0.3066

Protanopia

17.9306, 0.3201, 0.3348

Deuteranopia

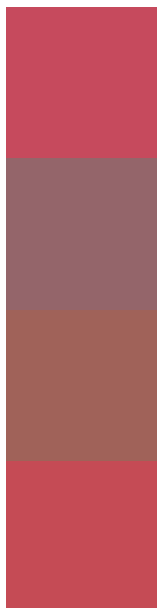
17.7654, 0.3830, 0.3747



Tritanopia

17.6333, 0.4973, 0.3236

Trichromacy



Original Color

17.6936, 0.4802, 0.3066

Protanomaly

16.6439, 0.3749, 0.3205

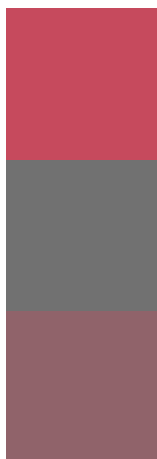
Deuteranomaly

16.9302, 0.4198, 0.3439

Tritanomaly

17.5583, 0.4916, 0.3176

Monochromacy



Original Color

17.6936, 0.4802, 0.3066

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8936, 0.3699, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6936, 0.4802, 0.3066 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(198, 74, 93)` looks like.

```
.text, #text, p{  
    color:rgb(198, 74, 93)  
}
```

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(198, 74, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 74, 93) }
```

Border

The CSS property to change the border of an element to Yxy 17.6936, 0.4802, 0.3066 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(198, 74, 93) }
```

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

```
.border{ border-color:rgb(198, 74, 93) }
```

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

Here you see how a box with a 4 pixel rgb(198, 74, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 74, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 74, 93);  
box-shadow:4px 4px 4px 4px rgb(198, 74,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6936, 0.4802, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 74, 93) }
```

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

```
.background{ background-color: rgb(198, 74,  
93) }
```

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