

Converting Colors

$Y_{xy}(19.7621, 0.4851, 0.3212)$

Have a look what the booklet for
Yxy(19.7621, 0.4851, 0.3212)
contains.

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Color

Yxy(19.7621, 0.4851, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	CC535A
RGB	204, 83, 90
RGB Percent	80%, 33%, 35%
CMY	0.1999, 0.6746, 0.6470
CMYK	0.00, 0.59, 0.56, 0.20
HSL	357°, 54%, 56%
HSV	357°, 59%, 80%
XYZ	29.8462, 19.7621, 11.9176
YIQ	119.9770, 69.8690, 27.8290

Conversions

Conversions Part 2

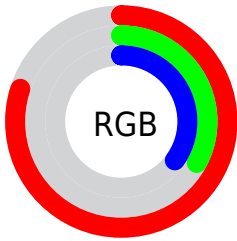
Format	Color
RYB	204, 83, 90
Decimal	13390682
CIELab	51.57, 48.61, 20.83
CIElCh	52, 52.885, 23.191
Yxy	19.7621, 0.4851, 0.3212
Android (android.graphics.Color)	4291580762 (0xFFCC535A)
YUV	119.9770, -14.7787, 73.6882
Hunter-Lab	44.4546, 42.0469, 15.2235

Details

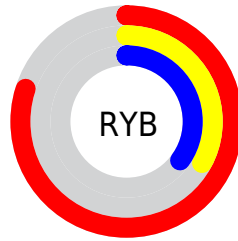
The Yxy color **19.7621, 0.4851, 0.3212** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **49.0665, 0.2435, 0.3390**, and the grayscale version is **18.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0448, 0.4366, 0.3263**, and **6.8575, 0.5521, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **16.8019, 0.5314, 0.3213**, and if you desaturate by 10%, it is **23.7273, 0.4420, 0.3220**.

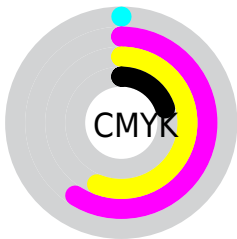
Distribution



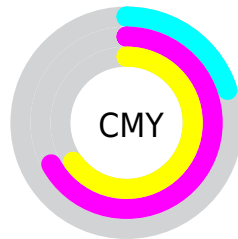
- Red (80%)
- Green (33%)
- Blue (35%)



- Red (80%)
- Yellow (33%)
- Blue (35%)



- Cyan (0%)
- Magenta (59%)
- Yellow (56%)
- Black (20%)





- Cyan (20%)
- Magenta (67%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7621, 0.4851, 0.3212 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 19.7621, 0.4851, 0.3212 by changing the saturation by 10% instead.


 19.7621, 0.4851,
0.3212


 19.7621, 0.4851,
0.3212


250.6243, 0.3864,
0.3304


 12.2222, 0.5140,
0.3162


 43.0180, 0.4461,
0.3263


 6.8952, 0.5534,
0.3075


 59.5028, 0.4324,
0.3276


 3.3967, 0.6092,
0.2916

 79.7380, 0.4212,
0.3286

 1.3422, 0.7267,
0.2733

 104.1080, 0.4119,
0.3292

 0.1735, 0.8939,
0.1061

 132.9973, 0.4040,
0.3297

 0.0000, 1.0000,
0.0000

166.7901, 0.3973,

 0.0000, 0.0000,


0.3300

0.0000


205.8710, 0.3915,
0.3302

 19.7621, 0.4851,
0.3212


 19.7621, 0.4851,
0.3212


 16.8019, 0.5314,
0.3213


 23.7273, 0.4420,
0.3220


 14.7536, 0.5758,
0.3224

 28.7734, 0.4046,
0.3232


 13.5124, 0.6115,
0.3246

 34.9726, 0.3735,
0.3247

 12.9001, 0.6336,
0.3270

 42.3901, 0.3483,
0.3262

 12.8670, 0.6346,
0.3270

 51.0862, 0.3280,
0.3277

■ 61.1171, 0.3117,
0.3291

■ 72.5358, 0.2987,
0.3304

■ 85.3923, 0.2881,
0.3315

■ 91.5809, 0.2827,
0.3289

Harmonies

Analogous

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



19.7621, 0.4073, 0.2606



19.7621, 0.4851, 0.3212



19.7621, 0.5029, 0.3881

Triad

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



19.7621, 0.4851, 0.3212



19.7621, 0.2947, 0.4967



19.7621, 0.1707, 0.1918

Complementary

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



19.7621, 0.4851, 0.3212



49.0665, 0.2435, 0.3390

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.



19.7621, 0.1518, 0.2256



19.7621, 0.4851, 0.3212



19.7621, 0.2140, 0.4089

Square

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



19.7621, 0.4851, 0.3212



19.7621, 0.3850, 0.5060



19.7621, 0.1649, 0.3000



19.7621, 0.2219, 0.1898

Rectangle

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



19.7621, 0.4851, 0.3212



19.7621, 0.4808, 0.4338



19.7621, 0.1649, 0.3000



19.7621, 0.1609, 0.1991

Sweetspot

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



19.7632, 0.4851, 0.3212



71.6517, 0.3458, 0.3264



22.2745, 0.3100, 0.1879



14.5009, 0.3525, 0.3259



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.



19.7632, 0.4851, 0.3212



26.7984, 0.5434, 0.3214



30.9145, 0.4489, 0.3943



11.2241, 0.3281, 0.3277



8.1011, 0.6331, 0.3261



0.4217, 0.6105, 0.3137

Inverse Universe

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



19.7632, 0.4851, 0.3212



26.7984, 0.5434, 0.3214



28.5172, 0.2220, 0.2470



11.2241, 0.3281, 0.3277



8.1011, 0.6331, 0.3261



0.4217, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 19.7621, 0.4851, 0.3212 looks on a white 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

Black Background



This preview shows how the Yxy color 19.7621, 0.4851, 0.3212 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 19.7621, 0.4851, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 19.7621, 0.4851, 0.3212.



This preview shows how white text looks on a background with the Yxy color 19.7621, 0.4851, 0.3212.

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

19.7621, 0.4851, 0.3212

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.8929, 0.3952, 0.3875



Tritanopia

19.7452, 0.4866, 0.3224

Trichromacy



Original Color

19.7621, 0.4851, 0.3212

Protanomaly

18.7326, 0.3898, 0.3409

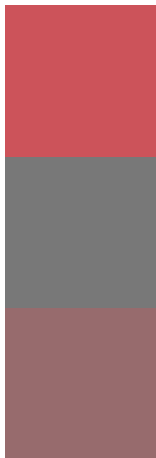
Deuteranomaly

19.0999, 0.4295, 0.3586

Tritanomaly

19.7452, 0.4866, 0.3224

Monochromacy



Original Color

19.7621, 0.4851, 0.3212

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1988, 0.3720, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7621, 0.4851, 0.3212 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(204, 83, 90)` looks like.

```
.text, #text, p{  
    color:rgb(204, 83, 90)  
}
```

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(204, 83, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 83, 90) }
```

Border

The CSS property to change the border of an element to Yxy 19.7621, 0.4851, 0.3212 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(204, 83, 90) }
```

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

```
.border{ border-color:rgb(204, 83, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 83, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 83, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 83, 90);  
box-shadow:4px 4px 4px 4px rgb(204, 83,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7621, 0.4851, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 83, 90) }
```

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

```
.background{ background-color: rgb(204, 83,  
90) }
```

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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