

Converting Colors

$Y_{xy}(19.9659, 0.4906, 0.3106)$

Have a look what the booklet for
Yxy(19.9659, 0.4906, 0.3106)
contains.

Yxy(19.9648, 0.4906, 0.3106)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9648, 0.4906, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	D34D5E
RGB	211, 77, 94
RGB Percent	83%, 30%, 37%
CMY	0.1726, 0.6979, 0.6314
CMYK	0.00, 0.63, 0.55, 0.17
HSL	352°, 60%, 56%
HSV	352°, 63%, 83%
XYZ	31.5349, 19.9648, 12.7785
YIQ	119.0040, 74.4070, 33.6950

Conversions

Conversions Part 2

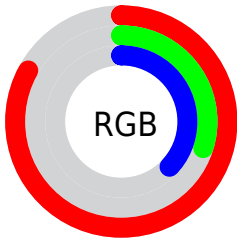
Format	Color
R_{YB}	211, 77, 94
Decimal	13847902
CIE Lab	51.80, 53.91, 18.97
CIE LCh	52, 57.153, 19.388
Yxy	19.9648, 0.4906, 0.3106
Android (android.graphics.Color)	4292037982 (0xFFD34D5E)
YUV	119.0040, -12.3270, 80.6805
Hunter-Lab	44.6820, 47.7851, 14.3212

Details

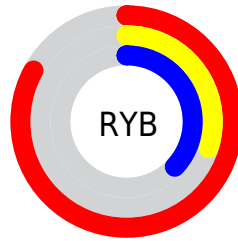
The Yxy color **19.9648, 0.4906, 0.3106** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **52.0562, 0.2450, 0.3533**, and the grayscale version is **18.4738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7761, 0.4345, 0.3170**, and **7.0321, 0.5615, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **17.1837, 0.5349, 0.3110**, and if you desaturate by 10%, it is **23.7843, 0.4486, 0.3121**.

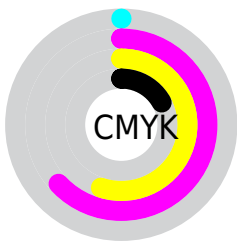
Distribution



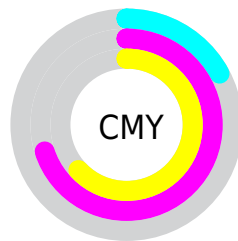
- Red (83%)
- Green (30%)
- Blue (37%)



- Red (83%)
- Yellow (30%)
- Blue (37%)



- Cyan (0%)
- Magenta (63%)
- Yellow (55%)
- Black (17%)





- Cyan (17%)
- Magenta (70%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9648, 0.4906, 0.3106 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 19.9648, 0.4906, 0.3106 by changing the saturation by 10% instead.


 19.9648, 0.4906,
0.3106


 19.9648, 0.4906,
0.3106

251.7245, 0.3890,
0.3256


 12.3695, 0.5202,
0.3041


 43.3582, 0.4505,
0.3179


 6.9958, 0.5605,
0.2936


 59.9250, 0.4364,
0.3200

 3.4595, 0.6175,
0.2756

 80.2511, 0.4249,
0.3216

 1.3761, 0.7304,
0.2521

 104.7208, 0.4153,
0.3228

 0.1990, 0.8949,
0.1051

 133.7187, 0.4072,
0.3237

 0.0000, 1.0000,
0.0000

167.6289, 0.4003,

 0.0000, 0.0000,

0.3245

0.0000

206.8361, 0.3943,
0.3251

■ 19.9648, 0.4906,
0.3106

■ 19.9648, 0.4906,
0.3106

■ 17.1837, 0.5349,
0.3110

■ 23.7843, 0.4486,
0.3121

■ 15.3355, 0.5767,
0.3136

■ 28.7277, 0.4116,
0.3147

■ 14.2982, 0.6099,
0.3186

■ 34.8752, 0.3805,
0.3180

■ 13.9246, 0.6254,
0.3219

■ 42.2990, 0.3550,
0.3214

■ 51.0654, 0.3343,
0.3248

■ 61.2362, 0.3177,
0.3279

■ 72.8694, 0.3043,
0.3309

■ 86.0196, 0.2936,
0.3336

■ 92.5868, 0.2866,
0.3289

Harmonies

Analogous

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



19.9648, 0.4006, 0.2487



19.9648, 0.4906, 0.3106



19.9648, 0.5173, 0.3799

Triad

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



19.9648, 0.4906, 0.3106



19.9648, 0.3038, 0.5176



19.9648, 0.1581, 0.1857

Complementary

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



19.9648, 0.4906, 0.3106



52.0562, 0.2450, 0.3533

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.



19.9648, 0.1423, 0.2253



19.9648, 0.4906, 0.3106



19.9648, 0.2158, 0.4308

Square

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



19.9648, 0.4906, 0.3106



19.9648, 0.3990, 0.5135



19.9648, 0.1598, 0.3101



19.9648, 0.2070, 0.1803

Rectangle

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



19.9648, 0.4906, 0.3106



19.9648, 0.4972, 0.4284



19.9648, 0.1598, 0.3101



19.9648, 0.1493, 0.1946

Sweetspot

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



19.9659, 0.4906, 0.3106



70.4560, 0.3456, 0.3228



21.3674, 0.2996, 0.1757



14.2758, 0.3518, 0.3219



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.



19.9659, 0.4906, 0.3106



25.2866, 0.5494, 0.3116



29.3414, 0.4705, 0.3869



11.8323, 0.3271, 0.3261



8.4131, 0.6229, 0.3205



0.4786, 0.5825, 0.2982

Inverse Universe

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



19.9659, 0.4906, 0.3106



25.2866, 0.5494, 0.3116



32.0749, 0.2197, 0.2543



11.8323, 0.3271, 0.3261



8.4131, 0.6229, 0.3205



0.4786, 0.5825, 0.2982

Previews

White Background



This preview shows how the Yxy color 19.9648, 0.4906, 0.3106 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 19.9648, 0.4906, 0.3106 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 19.9648, 0.4906, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 19.9648, 0.4906, 0.3106.

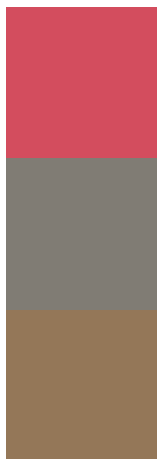


This preview shows how white text looks on a background with the Yxy color 19.9648, 0.4906, 0.3106.

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

19.9648, 0.4906, 0.3106

Protanopia

20.2655, 0.3268, 0.3438

Deuteranopia

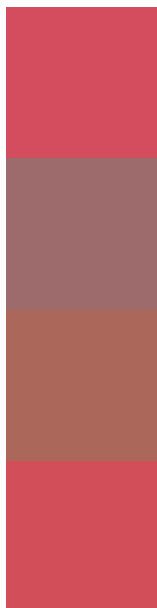
20.1941, 0.3895, 0.3824



Tritanopia

19.9337, 0.5036, 0.3241

Trichromacy



Original Color

19.9648, 0.4906, 0.3106

Protanomaly

18.8672, 0.3831, 0.3276

Deuteranomaly

19.2967, 0.4286, 0.3506

Tritanomaly

19.8550, 0.4982, 0.3185

Monochromacy



Original Color

19.9648, 0.4906, 0.3106

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7018, 0.3733, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9648, 0.4906, 0.3106 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(211, 77, 94)` looks like.

```
.text, #text, p{  
    color:rgb(211, 77, 94)  
}
```

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(211, 77, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 77, 94) }
```

Border

The CSS property to change the border of an element to Yxy 19.9648, 0.4906, 0.3106 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(211, 77, 94) }
```

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

```
.border{ border-color:rgb(211, 77, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 77, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 77, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 77, 94);  
box-shadow:4px 4px 4px 4px rgb(211, 77,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9648, 0.4906, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 77, 94) }
```

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

```
.background{ background-color: rgb(211, 77,  
94) }
```

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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