

Converting Colors

$Y_{xy}(17.9716, 0.4943, 0.3173)$

Have a look what the booklet for
Yxy(17.9716, 0.4943, 0.3173)
contains.

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Color

Yxy(17.9674, 0.4949, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	C84B55
RGB	200, 75, 85
RGB Percent	78%, 29%, 33%
CMY	0.2156, 0.7059, 0.6666
CMYK	0.00, 0.63, 0.58, 0.22
HSL	355°, 53%, 54%
HSV	355°, 63%, 78%
XYZ	27.9801, 17.9674, 10.5893
YIQ	113.5150, 71.2900, 29.6100

Conversions

Conversions Part 2

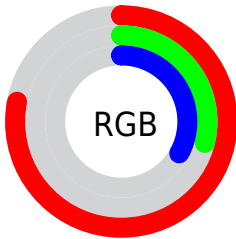
Format	Color
RYB	200, 75, 85
Decimal	13126485
CIELab	49.46, 50.47, 20.88
CIElCh	49, 54.623, 22.476
Yxy	17.9674, 0.4949, 0.3178
Android (android.graphics.Color)	4291316565 (0xFFC84B55)
YUV	113.5150, -14.0579, 75.8473
Hunter-Lab	42.3880, 43.6479, 14.8598

Details

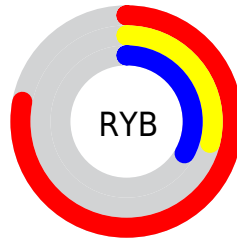
The Yxy color **17.9674, 0.4949, 0.3178** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **46.5319, 0.2427, 0.3438**, and the grayscale version is **16.7004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7098, 0.4465, 0.3233**, and **5.9916, 0.5697, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **15.4137, 0.5406, 0.3181**, and if you desaturate by 10%, it is **21.4518, 0.4514, 0.3187**.

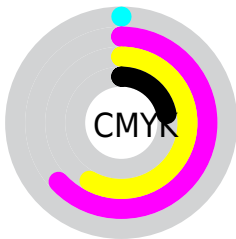
Distribution



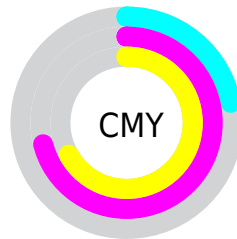
- Red (78%)
- Green (29%)
- Blue (33%)



- Red (78%)
- Yellow (29%)
- Blue (33%)



- Cyan (0%)
- Magenta (63%)
- Yellow (58%)
- Black (22%)




- Cyan (22%)
- Magenta (71%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9674, 0.4949, 0.3178 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 17.9674, 0.4949, 0.3178 by changing the saturation by 10% instead.


 17.9674, 0.4949,
0.3178


 17.9674, 0.4949,
0.3178


240.6872, 0.3893,
0.3294


 10.9266, 0.5263,
0.3117


 39.9818, 0.4528,
0.3241


 6.0175, 0.5694,
0.3012

 55.7241, 0.4381,
0.3258

 2.8557, 0.6307,
0.2819

 75.1358, 0.4262,
0.3269

 1.0569, 0.7473,
0.2527

 98.6011, 0.4163,
0.3278

 0.0000, 1.0000,
0.0000

 126.5045, 0.4079,
0.3284

 0.0000, 0.0000,
0.0000

159.2304, 0.4008,

0.3288

197.1632, 0.3947,
0.3292

■ 17.9674, 0.4949,
0.3178

■ 17.9674, 0.4949,
0.3178

■ 15.4137, 0.5406,
0.3181

■ 21.4518, 0.4514,
0.3187

■ 13.6985, 0.5831,
0.3200

■ 25.9415, 0.4131,
0.3203

■ 12.7163, 0.6159,
0.3233

■ 31.5072, 0.3809,
0.3223

■ 12.3200, 0.6320,
0.3255

■ 38.2121, 0.3546,
0.3244

■ 46.1147, 0.3335,
0.3265

■ 55.2696, 0.3164,
0.3285

■ 65.7277, 0.3028,
0.3304

■ 77.5374, 0.2917,
0.3320

■ 90.7421, 0.2828,
0.3335

Harmonies

Analogous

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



17.9674, 0.4107, 0.2552



17.9674, 0.4949, 0.3178



17.9674, 0.5142, 0.3872

Triad

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



17.9674, 0.4949, 0.3178



17.9674, 0.2944, 0.5107



17.9674, 0.1627, 0.1849

Complementary

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



17.9674, 0.4949, 0.3178



46.5319, 0.2427, 0.3438

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.



17.9674, 0.1437, 0.2204



17.9674, 0.4949, 0.3178



17.9674, 0.2093, 0.4173

Square

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



17.9674, 0.4949, 0.3178



17.9674, 0.3893, 0.5158



17.9674, 0.1576, 0.2996



17.9674, 0.2150, 0.1825

Rectangle

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



17.9674, 0.4949, 0.3178



17.9674, 0.4905, 0.4354



17.9674, 0.1576, 0.2996



17.9674, 0.1528, 0.1926

Sweetspot

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



17.9684, 0.4949, 0.3178



70.3427, 0.3473, 0.3251



20.0972, 0.3072, 0.1812



14.2490, 0.3539, 0.3245



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.



17.9684, 0.4949, 0.3178



25.4644, 0.5565, 0.3186



27.9905, 0.4604, 0.3941



10.6505, 0.3277, 0.3272



7.8369, 0.6302, 0.3245



0.3760, 0.5983, 0.3069

Inverse Universe

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



17.9684, 0.4949, 0.3178



25.4644, 0.5565, 0.3186



26.8220, 0.2187, 0.2454



10.6505, 0.3277, 0.3272



7.8369, 0.6302, 0.3245



0.3760, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 17.9674, 0.4949, 0.3178 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 17.9674, 0.4949, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

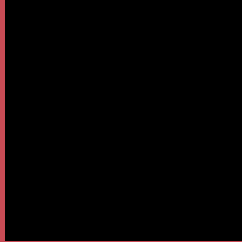
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9674, 0.4949, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 17.9674, 0.4949, 0.3178.

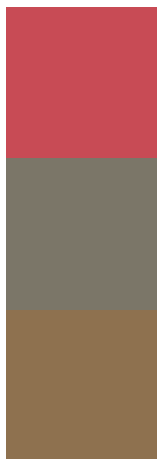


This preview shows how white text looks on a background with the Yxy color 17.9674, 0.4949, 0.3178.

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

17.9674, 0.4949, 0.3178

Protanopia

18.1673, 0.3361, 0.3561

Deuteranopia

18.1256, 0.3971, 0.3896



Tritanopia

18.0274, 0.5020, 0.3249

Trichromacy



Original Color

17.9674, 0.4949, 0.3178

Protanomaly

16.9451, 0.3922, 0.3378

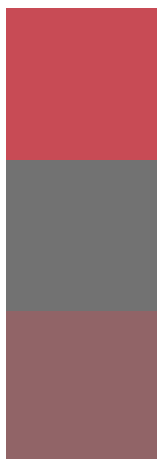
Deuteranomaly

17.3043, 0.4352, 0.3577

Tritanomaly

18.0574, 0.4989, 0.3226

Monochromacy



Original Color

17.9674, 0.4949, 0.3178

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1134, 0.3755, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9674, 0.4949, 0.3178 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(200, 75, 85)` looks like.

```
.text, #text, p{  
    color:rgb(200, 75, 85)  
}
```

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(200, 75, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 75, 85) }
```

Border

The CSS property to change the border of an element to Yxy 17.9674, 0.4949, 0.3178 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(200, 75, 85) }
```

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

```
.border{ border-color:rgb(200, 75, 85) }
```

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

Here you see how a box with a 4 pixel rgb(200, 75, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 75, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 75, 85);  
box-shadow:4px 4px 4px 4px rgb(200, 75,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9674, 0.4949, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 75, 85) }
```

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

```
.background{ background-color: rgb(200, 75,  
85) }
```

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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