

Converting Colors

$Y_{xy}(17.7767, 0.4966, 0.3070)$

Have a look what the booklet for
Yxy(17.7767, 0.4966, 0.3070)
contains.

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Color

Yxy(17.8149, 0.4970, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	CC4559
RGB	204, 69, 89
RGB Percent	80%, 27%, 35%
CMY	0.2000, 0.7293, 0.6511
CMYK	0.00, 0.66, 0.56, 0.20
HSL	351°, 57%, 54%
HSV	351°, 66%, 80%
XYZ	28.8310, 17.8149, 11.3642
YIQ	111.6450, 74.0400, 34.8400

Conversions

Conversions Part 2

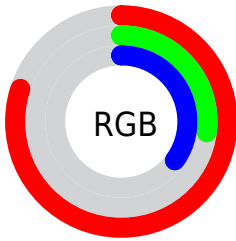
Format	Color
R_YB	204, 69, 89
Decimal	13387097
CIE _{Lab}	49.27, 54.61, 18.37
CIE _{LCh}	49, 57.619, 18.592
Yxy	17.8149, 0.4970, 0.3071
Android (android.graphics.Color)	4291577177 (0xFFCC4559)
YUV	111.6450, -11.1640, 80.9953
Hunter-Lab	42.2077, 48.0654, 13.5819

Details

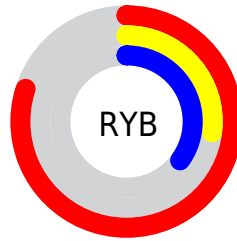
The Yxy color **17.8149, 0.4970, 0.3071** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **47.9110, 0.2450, 0.3589**, and the grayscale version is **16.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5394, 0.4443, 0.3141**, and **6.1111, 0.5694, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **15.4640, 0.5404, 0.3079**, and if you desaturate by 10%, it is **21.0991, 0.4551, 0.3085**.

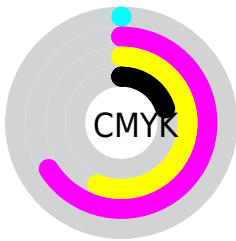
Distribution



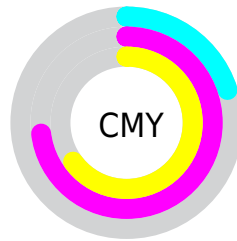
- Red (80%)
- Green (27%)
- Blue (35%)



- Red (80%)
- Yellow (27%)
- Blue (35%)



- Cyan (0%)
- Magenta (66%)
- Yellow (56%)
- Black (20%)




- Cyan (20%)
- Magenta (73%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8149, 0.4970, 0.3071 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 17.8149, 0.4970, 0.3071 by changing the saturation by 10% instead.


 17.8149, 0.4970,
0.3071


 17.8149, 0.4970,
0.3071


239.8257, 0.3902,
0.3244


 10.8172, 0.5289,
0.2996


 39.7217, 0.4544,
0.3155


 5.9440, 0.5727,
0.2874

 55.3995, 0.4395,
0.3179

 2.8111, 0.6353,
0.2662

 74.7395, 0.4274,
0.3198

 1.0339, 0.7628,
0.2372

 98.1260, 0.4174,
0.3212

 0.0000, 1.0000,
0.0000

 125.9435, 0.4090,
0.3223

 0.0000, 0.0000,
0.0000

158.5764, 0.4018,

0.3231

196.4089, 0.3956,
0.3238

■ 17.8149, 0.4970,
0.3071

■ 17.8149, 0.4970,
0.3071

■ 15.4640, 0.5404,
0.3079

■ 21.0991, 0.4551,
0.3085

■ 13.9458, 0.5805,
0.3115

■ 25.3978, 0.4178,
0.3114

■ 13.1387, 0.6116,
0.3174


■ 30.7864, 0.3861,
0.3151


■ 12.9310, 0.6210,
0.3195


■ 37.3327, 0.3600,
0.3190

■ 45.0987, 0.3387,
0.3230

 54.1421, 0.3216,
0.3268

 64.5170, 0.3078,
0.3303

 76.2741, 0.2966,
0.3335

 89.4619, 0.2875,
0.3365

Harmonies

Analogous

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



17.8149, 0.4014, 0.2439



17.8149, 0.4970, 0.3071



17.8149, 0.5259, 0.3779

Triad

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



17.8149, 0.4970, 0.3071



17.8149, 0.3047, 0.5287



17.8149, 0.1519, 0.1809

Complementary

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



17.8149, 0.4970, 0.3071



47.9110, 0.2450, 0.3589

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.



17.8149, 0.1365, 0.2222



17.8149, 0.4970, 0.3071



17.8149, 0.2132, 0.4394

Square

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



17.8149, 0.4970, 0.3071



17.8149, 0.4033, 0.5196



17.8149, 0.1549, 0.3114



17.8149, 0.2010, 0.1749

Rectangle

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



17.8149, 0.4970, 0.3071



17.8149, 0.5051, 0.4281



17.8149, 0.1549, 0.3114



17.8149, 0.1432, 0.1902

Sweetspot

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



17.8159, 0.4970, 0.3071



69.1760, 0.3469, 0.3214



18.7771, 0.2961, 0.1699



14.0293, 0.3530, 0.3203



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.



17.8159, 0.4970, 0.3071



24.4863, 0.5566, 0.3090



25.8173, 0.4815, 0.3854



11.2402, 0.3267, 0.3256



8.1481, 0.6184, 0.3180



0.4292, 0.5712, 0.2920

Inverse Universe

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



17.8159, 0.4970, 0.3071



24.4863, 0.5566, 0.3090



29.6556, 0.2177, 0.2545



11.2402, 0.3267, 0.3256



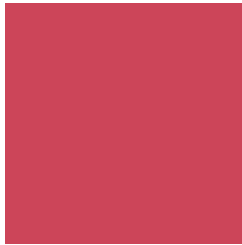
8.1481, 0.6184, 0.3180



0.4292, 0.5712, 0.2920

Previews

White Background



This preview shows how the Yxy color 17.8149, 0.4970, 0.3071 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 17.8149, 0.4970, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

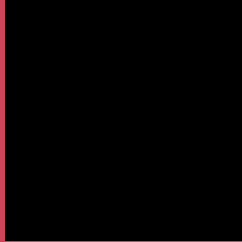
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8149, 0.4970, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 17.8149, 0.4970, 0.3071.

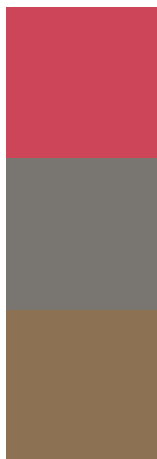


This preview shows how white text looks on a background with the Yxy color 17.8149, 0.4970, 0.3071.

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

17.8149, 0.4970, 0.3071

Protanopia

17.9574, 0.3239, 0.3387

Deuteranopia

17.9949, 0.3904, 0.3851



Tritanopia

17.7248, 0.5154, 0.3241

Trichromacy



Original Color

17.8149, 0.4970, 0.3071

Protanomaly

16.6931, 0.3827, 0.3223

Deuteranomaly

16.9918, 0.4309, 0.3484

Tritanomaly

17.6709, 0.5083, 0.3174

Monochromacy



Original Color

17.8149, 0.4970, 0.3071

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.3850, 0.3759, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8149, 0.4970, 0.3071 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, 69, 89)` looks like.

```
.text, #text, p{  
    color:rgb(204, 69, 89)  
}
```

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, 69, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 69, 89) }
```

Border

The CSS property to change the border of an element to Yxy 17.8149, 0.4970, 0.3071 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, 69, 89) }
```

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

```
.border{ border-color:rgb(204, 69, 89) }
```

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

Here you see how a box with a 4 pixel rgb(204, 69, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 69, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 69, 89);  
box-shadow:4px 4px 4px 4px rgb(204, 69,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8149, 0.4970, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 69, 89) }
```

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

```
.background{ background-color: rgb(204, 69,  
89) }
```

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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