

Converting Colors

$Y_{xy}(15.8179, 0.5074, 0.2925)$

Have a look what the booklet for
Yxy(15.8179, 0.5074, 0.2925)
contains.

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Color

$Y_{xy}(15.8073, 0.5069, 0.2925)$

Conversions

Conversions Part 1

Format	Color
Hex	CA3558
RGB	202, 53, 88
RGB Percent	79%, 21%, 35%
CMY	0.2078, 0.7922, 0.6549
CMYK	0.00, 0.74, 0.56, 0.21
HSL	346°, 58%, 50%
HSV	346°, 74%, 79%
XYZ	27.3939, 15.8073, 10.8408
YIQ	101.5410, 77.5690, 42.4730

Conversions

Conversions Part 2

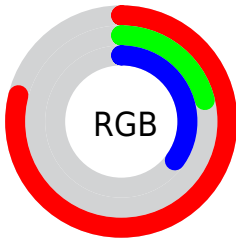
Format	Color
R_{YB}	202, 53, 88
Decimal	13251928
CIE _{Lab}	46.72, 59.93, 15.44
CIE _{LCh}	47, 61.885, 14.450
Yxy	15.8073, 0.5069, 0.2925
Android (android.graphics.Color)	4291442008 (0xFFCA3558)
YUV	101.5410, -6.6757, 88.1025
Hunter-Lab	39.7584, 53.4110, 11.6644

Details

The Yxy color **15.8073, 0.5069, 0.2925** 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 **45.7924, 0.2480, 0.3842**, and the grayscale version is **13.1634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4639, 0.4520, 0.3024**, and **5.8371, 0.5691, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **14.1093, 0.5461, 0.2954**, and if you desaturate by 10%, it is **18.3371, 0.4675, 0.2933**.

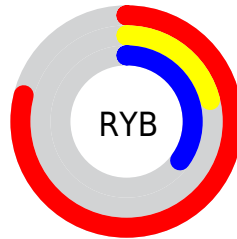
Distribution



Red (79%)

Green (21%)

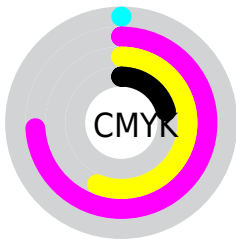
Blue (35%)



Red (79%)

Yellow (21%)

Blue (35%)

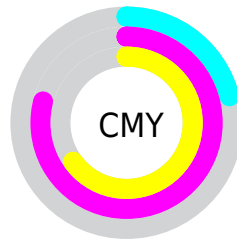


Cyan (0%)

Magenta (74%)

Yellow (56%)

Black (21%)



Cyan (21%)

Magenta (79%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8073, 0.5069, 0.2925 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 15.8073, 0.5069, 0.2925 by changing the saturation by 10% instead.


 15.8073, 0.5069,
0.2925


 15.8073, 0.5069,
0.2925


228.2019, 0.3928,
0.3182

 9.3879, 0.5417,
0.2824


 36.2633, 0.4609,
0.3042


 4.9950, 0.5901,
0.2666

 51.0688, 0.4450,
0.3079

 2.2444, 0.6599,
0.2400

 69.4383, 0.4321,
0.3106

 0.7440, 0.8008,
0.1992

 91.7564, 0.4215,
0.3128

 0.0000, 1.0000,
0.0000

 118.4074, 0.4126,
0.3146

 0.0000, 0.0000,
0.0000

149.7758, 0.4050,

0.3160

186.2458, 0.3985,
0.3172

■ 15.8073, 0.5069,
0.2925

■ 15.8073, 0.5069,
0.2925

■ 14.1093, 0.5461,
0.2954

■ 18.3371, 0.4675,
0.2933

■ 13.1318, 0.5808,
0.3022

■ 21.7861, 0.4311,
0.2969


■ 12.7670, 0.5990,
0.3073


■ 26.2333, 0.3992,
0.3022


■ 31.7485, 0.3724,
0.3083

■ 38.3954, 0.3502,
0.3147

 46.2324, 0.3321,
0.3209

 55.3140, 0.3175,
0.3269

 65.6915, 0.3056,
0.3324

 77.4129, 0.2959,
0.3374

Harmonies

Analogous

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



15.8073, 0.3929, 0.2273



15.8073, 0.5069, 0.2925



15.8073, 0.5480, 0.3662

Triad

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



15.8073, 0.5069, 0.2925



15.8073, 0.3147, 0.5593



15.8073, 0.1343, 0.1709

Complementary

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



15.8073, 0.5069, 0.2925



45.7924, 0.2480, 0.3842

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.



15.8073, 0.1223, 0.2198



15.8073, 0.5069, 0.2925



15.8073, 0.2133, 0.4738

Square

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



15.8073, 0.5069, 0.2925



15.8073, 0.4208, 0.5282



15.8073, 0.1458, 0.3254



15.8073, 0.1808, 0.1610

Rectangle

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



15.8073, 0.5069, 0.2925



15.8073, 0.5288, 0.4195



15.8073, 0.1458, 0.3254



15.8073, 0.1267, 0.1821

Sweetspot

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



15.8082, 0.5069, 0.2925



66.8184, 0.3473, 0.3156



14.7835, 0.2754, 0.1486



13.5804, 0.3528, 0.3139



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.



15.8082, 0.5069, 0.2925



22.6926, 0.5692, 0.2993



20.1691, 0.5253, 0.3694



11.2562, 0.3254, 0.3236



8.2261, 0.5958, 0.3056



0.4365, 0.5390, 0.2743

Inverse Universe

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



15.8082, 0.5069, 0.2925



22.6926, 0.5692, 0.2993



31.8437, 0.2163, 0.2697



11.2562, 0.3254, 0.3236



8.2261, 0.5958, 0.3056



0.4365, 0.5390, 0.2743

Previews

White Background



This preview shows how the Yxy color 15.8073, 0.5069, 0.2925 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 15.8073, 0.5069, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

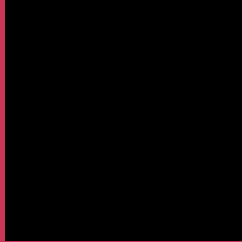
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8073, 0.5069, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 15.8073, 0.5069, 0.2925.



This preview shows how white text looks on a background with the Yxy color 15.8073, 0.5069, 0.2925.

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

15.8073, 0.5069, 0.2925

Protanopia

16.0746, 0.3079, 0.3189

Deuteranopia

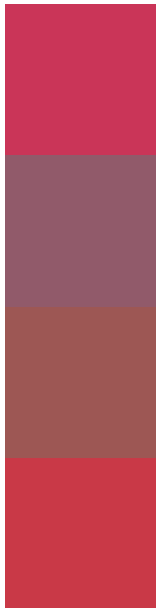
16.0150, 0.3844, 0.3787



Tritanopia

15.8824, 0.5467, 0.3277

Trichromacy



Original Color

15.8073, 0.5069, 0.2925

Protanomaly

14.3727, 0.3754, 0.3009

Deuteranomaly

14.6246, 0.4323, 0.3343

Tritanomaly

15.7987, 0.5328, 0.3154

Monochromacy



Original Color

15.8073, 0.5069, 0.2925

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.6070, 0.3826, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8073, 0.5069, 0.2925 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(202, 53, 88)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 88)  
}
```

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(202, 53, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 88) }
```

Border

The CSS property to change the border of an element to Yxy 15.8073, 0.5069, 0.2925 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(202, 53, 88) }
```

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

```
.border{ border-color:rgb(202, 53, 88) }
```

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

Here you see how a box with a 4 pixel rgb(202, 53, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 88);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8073, 0.5069, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 53, 88) }
```

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

```
.background{ background-color: rgb(202, 53,  
88) }
```

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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