

Converting Colors

$Y_{xy}(12.5653, 0.5591, 0.2853)$

Have a look what the booklet for
Yxy(12.5653, 0.5591, 0.2853)
contains.

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Color

Yxy(12.5843, 0.5583, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	C70046
RGB	199, 0, 70
RGB Percent	78%, 0%, 27%
CMY	0.2196, 1.0000, 0.7254
CMYK	0.00, 1.00, 0.65, 0.22
HSL	339°, 100%, 39%
HSV	339°, 100%, 78%
XYZ	24.6606, 12.5843, 6.9260
YIQ	67.4810, 96.1340, 63.9580

Conversions

Conversions Part 2

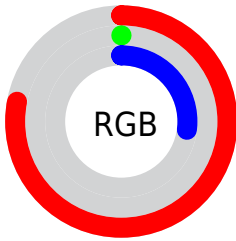
Format	Color
RYB	199, 0, 70
Decimal	13041734
CIELab	42.13, 68.34, 20.39
CIELCh	42, 71.318, 16.610
Yxy	12.5843, 0.5583, 0.2849
Android (android.graphics.Color)	4291231814 (0xFFC70046)
YUV	67.4810, 1.2419, 115.3422
Hunter-Lab	35.4744, 62.0073, 13.2563

Details

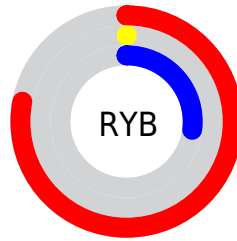
The Yxy color **12.5843, 0.5583, 0.2849** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.4351, 0.2581, 0.4491**, and the grayscale version is **5.6802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0650, 0.4921, 0.2995**, and **5.4022, 0.6010, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **12.5855, 0.5583, 0.2849**, and if you desaturate by 10%, it is **13.2632, 0.5282, 0.2762**.

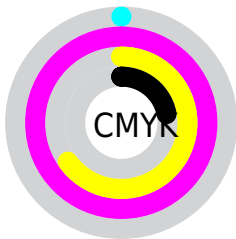
Distribution



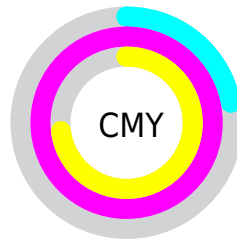
- Red (78%)
- Green (0%)
- Blue (27%)



- Red (78%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5843, 0.5583, 0.2849 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 12.5843, 0.5583, 0.2849 by changing the saturation by 10% instead.

 12.5843, 0.5583,
0.2849


 12.5843, 0.5583,
0.2849


208.2360, 0.4110,
0.3187


 7.1429, 0.6035,
0.2702


 30.5549, 0.4983,
0.3012

 3.5516, 0.6652,
0.2466

 43.8529, 0.4777,
0.3060


 1.4261, 0.7798,
0.2146

 60.5386, 0.4611,
0.3096

 0.2358, 0.9102,
0.0898

 80.9964, 0.4475,
0.3123

 0.0000, 1.0000,
0.0000

 105.6106, 0.4361,
0.3144

 0.0000, 0.0000,
0.0000

 134.7657, 0.4264,

0.3161

168.8461, 0.4181,
0.3175

■ 12.5843, 0.5583,
0.2849

■ 12.5843, 0.5583,
0.2849

■ 12.5855, 0.5583,
0.2849

■ 13.2632, 0.5282,
0.2762

■ 14.4885, 0.4953,
0.2717

■ 16.4417, 0.4617,
0.2721

■ 19.2180, 0.4298,
0.2764

■ 22.8981, 0.4013,
0.2835

■ 27.5528, 0.3766,
0.2923

■ 33.2458, 0.3558,
0.3017

■ 40.0356, 0.3385,
0.3112

■ 47.9760, 0.3243,
0.3203

Harmonies

Analogous

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



12.5843, 0.4211, 0.2128



12.5843, 0.5583, 0.2849



12.5843, 0.5913, 0.3641

Triad

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



12.5843, 0.5583, 0.2849



12.5843, 0.2928, 0.6174



12.5843, 0.1099, 0.1418

Complementary

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



12.5843, 0.5583, 0.2849



42.4351, 0.2581, 0.4491

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.



12.5843, 0.0934, 0.1888



12.5843, 0.5583, 0.2849



12.5843, 0.1802, 0.5016

Square

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



12.5843, 0.5583, 0.2849



12.5843, 0.4185, 0.5680



12.5843, 0.1120, 0.3064



12.5843, 0.1628, 0.1355

Rectangle

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



12.5843, 0.5583, 0.2849



12.5843, 0.5576, 0.4255



12.5843, 0.1120, 0.3064



12.5843, 0.1008, 0.1519

Sweetspot

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



12.5855, 0.5583, 0.2849



57.7279, 0.3566, 0.3013



8.5624, 0.2302, 0.1042



11.4020, 0.3651, 0.2972



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.



12.5855, 0.5583, 0.2849



21.9933, 0.5619, 0.2869



12.9058, 0.6287, 0.3390



10.6975, 0.3235, 0.3209



8.1072, 0.5547, 0.2829



0.3976, 0.4962, 0.2507

Inverse Universe

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



12.5855, 0.5583, 0.2849



21.9933, 0.5619, 0.2869



33.8094, 0.2128, 0.2860



10.6975, 0.3235, 0.3209



8.1072, 0.5547, 0.2829



0.3976, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 12.5843, 0.5583, 0.2849 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 12.5843, 0.5583, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

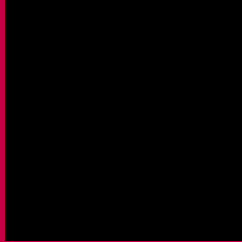
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5843, 0.5583, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 12.5843, 0.5583, 0.2849.



This preview shows how white text looks on a background with the Yxy color 12.5843, 0.5583, 0.2849.

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

12.5843, 0.5583, 0.2849

Protanopia

13.1702, 0.3129, 0.3246

Deuteranopia

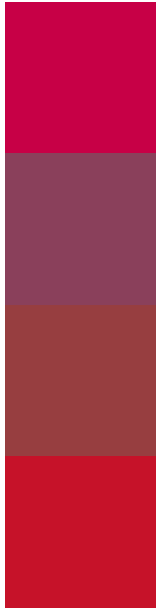
13.1714, 0.4088, 0.4010



Tritanopia

12.9065, 0.6133, 0.3315

Trichromacy



Original Color

12.5843, 0.5583, 0.2849

Protanomaly

9.8254, 0.4049, 0.2801

Deuteranomaly

10.3947, 0.4838, 0.3264

Tritanomaly

12.5985, 0.6010, 0.3168

Monochromacy



Original Color

12.5843, 0.5583, 0.2849

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.7899, 0.4299, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5843, 0.5583, 0.2849 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(199, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 70)  
}
```

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(199, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.5843, 0.5583, 0.2849 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(199, 0, 70) }
```

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

```
.border{ border-color:rgb(199, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5843, 0.5583, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 70) }
```

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

```
.background{ background-color: rgb(199, 0,  
70) }
```

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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