

Converting Colors

$Yxy(10.9848, 0.5807, 0.2541)$

Have a look what the booklet for
Yxy(10.9848, 0.5807, 0.2541)
contains.

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Color

Yxy(13.4602, 0.5571, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	CD0049
RGB	205, 0, 73
RGB Percent	80%, 0%, 29%
CMY	0.1961, 0.9994, 0.7138
CMYK	0.00, 1.00, 0.64, 0.20
HSL	339°, 100%, 40%
HSV	339°, 100%, 80%
XYZ	26.3759, 13.4602, 7.5089
YIQ	69.6170, 98.7470, 66.1630

Conversions

Conversions Part 2

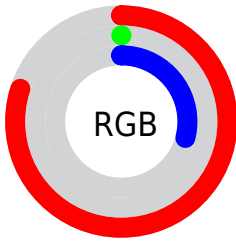
Format	Color
RYB	205, 0, 73
Decimal	13434953
CIELab	43.45, 69.89, 20.48
CIELCh	43, 72.827, 16.333
Yxy	13.4602, 0.5571, 0.2843
Android (android.graphics.Color)	4291625033 (0xFFCD0049)
YUV	69.6170, 1.6678, 118.7309
Hunter-Lab	36.6881, 64.1234, 13.5469

Details

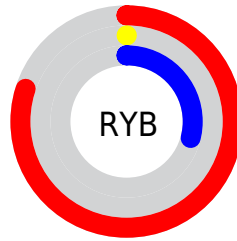
The Yxy color **13.4602, 0.5571, 0.2843** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.3260, 0.2585, 0.4506**, and the grayscale version is **6.0572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4569, 0.4869, 0.2982**, and **5.9334, 0.6003, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **13.4564, 0.5573, 0.2844**, and if you desaturate by 10%, it is **14.1755, 0.5272, 0.2755**.

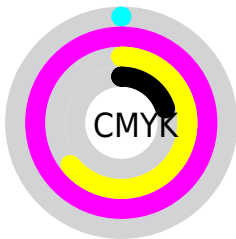
Distribution



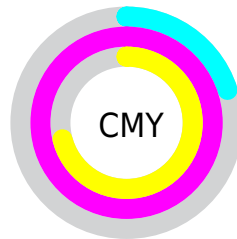
- Red (80%)
- Green (0%)
- Blue (29%)



- Red (80%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4602, 0.5571, 0.2843 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 13.4602, 0.5571, 0.2843 by changing the saturation by 10% instead.


 13.4602, 0.5571,
0.2843


 13.4602, 0.5571,
0.2843


213.8463, 0.4118,
0.3181


 7.7462, 0.6010,
0.2700


 32.1281, 0.4984,
0.3004


 3.9330, 0.6606,
0.2474

 45.8508, 0.4781,
0.3052


 1.6361, 0.7605,
0.2146

 63.0119, 0.4617,
0.3088

 0.3818, 0.8786,
0.1214

 83.9957, 0.4482,
0.3115

 0.0000, 1.0000,
0.0000

 109.1866, 0.4368,
0.3137

 0.0000, 0.0000,
0.0000

 138.9691, 0.4272,

0.3155

173.7276, 0.4189,
0.3169

■ 13.4602, 0.5571,
0.2843

■ 13.4602, 0.5571,
0.2843

■ 13.4564, 0.5573,
0.2844

■ 14.1755, 0.5272,
0.2755

■ 15.4817, 0.4943,
0.2710

■ 17.5675, 0.4609,
0.2714

■ 20.5353, 0.4292,
0.2758

■ 24.4718, 0.4008,
0.2830

■ 29.4532, 0.3762,
0.2919

■ 35.5480, 0.3555,
0.3014

■ 42.8188, 0.3383,
0.3110

■ 51.3236, 0.3242,
0.3203

Harmonies

Analogous

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



13.4602, 0.4194, 0.2123



13.4602, 0.5571, 0.2843



13.4602, 0.5912, 0.3634

Triad

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



13.4602, 0.5571, 0.2843



13.4602, 0.2941, 0.6171



13.4602, 0.1097, 0.1422

Complementary

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



13.4602, 0.5571, 0.2843



45.3260, 0.2585, 0.4506

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.



13.4602, 0.0936, 0.1897



13.4602, 0.5571, 0.2843



13.4602, 0.1813, 0.5031

Square

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



13.4602, 0.5571, 0.2843



13.4602, 0.4191, 0.5661



13.4602, 0.1126, 0.3080



13.4602, 0.1623, 0.1356

Rectangle

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



13.4602, 0.5571, 0.2843



13.4602, 0.5576, 0.4243



13.4602, 0.1126, 0.3080



13.4602, 0.1008, 0.1525

Sweetspot

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



13.4610, 0.5571, 0.2843



57.7419, 0.3563, 0.3010



9.1466, 0.2301, 0.1042



11.4053, 0.3648, 0.2969



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.



13.4610, 0.5571, 0.2843



22.0097, 0.5605, 0.2861



13.7825, 0.6288, 0.3388



11.2785, 0.3235, 0.3208



8.3951, 0.5535, 0.2823



0.4475, 0.4990, 0.2523

Inverse Universe

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



13.4610, 0.5571, 0.2843



22.0097, 0.5605, 0.2861



36.1189, 0.2128, 0.2860



11.2785, 0.3235, 0.3208



8.3951, 0.5535, 0.2823



0.4475, 0.4990, 0.2523

Previews

White Background



This preview shows how the Yxy color 13.4602, 0.5571, 0.2843 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 13.4602, 0.5571, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

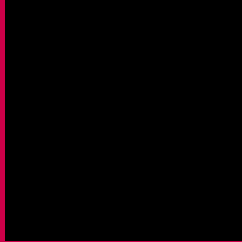
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4602, 0.5571, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 13.4602, 0.5571, 0.2843.



This preview shows how white text looks on a background with the Yxy color 13.4602, 0.5571, 0.2843.

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

13.4602, 0.5571, 0.2843

Protanopia

14.0263, 0.3116, 0.3226

Deuteranopia

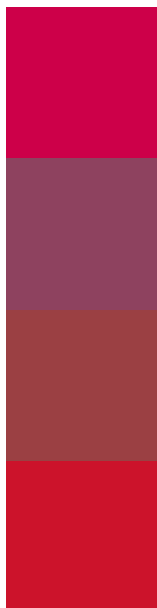
13.9965, 0.4063, 0.3995



Tritanopia

13.7907, 0.6135, 0.3314

Trichromacy



Original Color

13.4602, 0.5571, 0.2843

Protanomaly

10.4734, 0.4025, 0.2779

Deuteranomaly

11.0406, 0.4815, 0.3249

Tritanomaly

13.4775, 0.6004, 0.3165

Monochromacy



Original Color

13.4602, 0.5571, 0.2843

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.2536, 0.4286, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4602, 0.5571, 0.2843 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(205, 0, 73)` looks like.

```
.text, #text, p{  
  color:rgb(205, 0, 73)  
}
```

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(205, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.4602, 0.5571, 0.2843 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(205, 0, 73) }
```

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

```
.border{ border-color:rgb(205, 0, 73) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(205, 0, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4602, 0.5571, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 73) }
```

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

```
.background{ background-color: rgb(205, 0,  
73) }
```

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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