

Converting Colors

$Y_{xy}(11.7803, 0.4259, 0.1904)$

Have a look what the booklet for
Yxy(11.7803, 0.4259, 0.1904)
contains.

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Color

Yxy(13.4850, 0.4193, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	C40087
RGB	196, 0, 135
RGB Percent	77%, 0%, 53%
CMY	0.2315, 0.9991, 0.4706
CMYK	0.00, 1.00, 0.31, 0.23
HSL	319°, 100%, 38%
HSV	319°, 100%, 77%
XYZ	27.1318, 13.4850, 24.0905
YIQ	73.9940, 73.4810, 83.5370

Conversions

Conversions Part 2

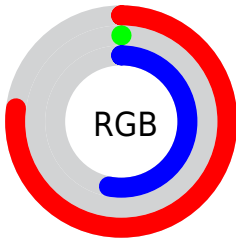
Format	Color
R_{YB}	196, 0, 135
Decimal	12845191
CIE _{Lab}	43.49, 72.82, -18.40
CIE _{LCh}	43, 75.106, 345.816
Yxy	13.4850, 0.4193, 0.2084
Android (android.graphics.Color)	4291035271 (0xFFC40087)
YUV	73.9940, 30.0760, 106.9993
Hunter-Lab	36.7219, 67.6202, -13.1904

Details

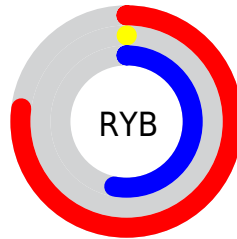
The Yxy color **13.4850, 0.4193, 0.2084** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **39.8072, 0.2882, 0.5573**, and the grayscale version is **6.8059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7072, 0.3942, 0.2326**, and **5.9742, 0.4420, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.4788, 0.4195, 0.2084**, and if you desaturate by 10%, it is **14.1519, 0.4063, 0.2067**.

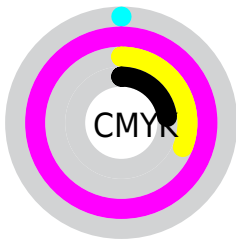
Distribution



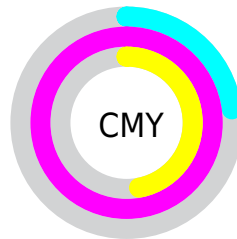
- Red (77%)
- Green (0%)
- Blue (53%)



- Red (77%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4850, 0.4193, 0.2084 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 13.4850, 0.4193, 0.2084 by changing the saturation by 10% instead.


 13.4850, 0.4193,
0.2084


 13.4850, 0.4193,
0.2084


214.0030, 0.3591,
0.2740


 7.7634, 0.4369,
0.1905


 32.1724, 0.3956,
0.2335


 3.9439, 0.4612,
0.1667


 45.9069, 0.3872,
0.2425

 1.6422, 0.4965,
0.1342

 63.0813, 0.3804,
0.2500

 0.3858, 0.5604,
0.0738

 84.0797, 0.3747,
0.2563

 0.0000, 0.6903,
0.0000

 109.2867, 0.3699,
0.2617

 0.0000, 1.0000,
0.0000

 139.0867, 0.3658,

 0.0000, 0.0000,

0.2664

0.0000

173.8640, 0.3622,
0.2704

■ 13.4850, 0.4193,
0.2084

■ 13.4850, 0.4193,
0.2084

■ 13.4788, 0.4195,
0.2084

■ 14.1519, 0.4063,
0.2067

■ 15.3237, 0.3930,
0.2093

■ 17.1718, 0.3797,
0.2166

■ 19.7862, 0.3669,
0.2281

■ 23.2427, 0.3549,
0.2427

■ 27.6083, 0.3440,
0.2593

■ 32.9428, 0.3343,
0.2769

■ 39.3012, 0.3259,
0.2948

■ 46.7342, 0.3188,
0.3124

Harmonies

Analogous

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



13.4850, 0.2617, 0.1554



13.4850, 0.4193, 0.2084



13.4850, 0.5623, 0.2809

Triad

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



13.4850, 0.4193, 0.2084



13.4850, 0.4220, 0.5699



13.4850, 0.0897, 0.1872

Complementary

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



13.4850, 0.4193, 0.2084



39.8072, 0.2882, 0.5573

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.



13.4850, 0.1089, 0.3094



13.4850, 0.4193, 0.2084



13.4850, 0.2935, 0.6264

Square

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



13.4850, 0.4193, 0.2084



13.4850, 0.5364, 0.4584



13.4850, 0.1789, 0.5127



13.4850, 0.1055, 0.1388

Rectangle

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



13.4850, 0.4193, 0.2084



13.4850, 0.5995, 0.3328



13.4850, 0.1789, 0.5127



13.4850, 0.0917, 0.2176

Sweetspot

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



13.4857, 0.4193, 0.2084



59.0791, 0.3349, 0.2759



4.9175, 0.1700, 0.0710



11.7217, 0.3389, 0.2683



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.



13.4857, 0.4193, 0.2084



24.3771, 0.4213, 0.2095



11.8858, 0.6080, 0.3124



10.1924, 0.3184, 0.3133



8.6797, 0.4177, 0.2075



0.3870, 0.3912, 0.1929

Inverse Universe

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



13.4857, 0.4193, 0.2084



24.3771, 0.4213, 0.2095



41.8963, 0.2429, 0.3943



10.1924, 0.3184, 0.3133



8.6797, 0.4177, 0.2075



0.3870, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 13.4850, 0.4193, 0.2084 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 13.4850, 0.4193, 0.2084 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 13.4850, 0.4193, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 13.4850, 0.4193, 0.2084.



This preview shows how white text looks on a background with the Yxy color 13.4850, 0.4193, 0.2084.

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

13.4850, 0.4193, 0.2084

Protanopia

14.3137, 0.1959, 0.1726

Deuteranopia

14.2101, 0.2867, 0.2821



Tritanopia

13.9081, 0.5514, 0.3267

Trichromacy



Original Color

13.4850, 0.4193, 0.2084



Protanomaly

10.0104, 0.2378, 0.1522



Deuteranomaly

10.8847, 0.3326, 0.2209



Tritanomaly

13.1374, 0.5128, 0.2784

Monochromacy



Original Color

13.4850, 0.4193, 0.2084



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7291, 0.3638, 0.2310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4850, 0.4193, 0.2084 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(196, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 135)  
}
```

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(196, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 135) }
```

Border

The CSS property to change the border of an element to Yxy 13.4850, 0.4193, 0.2084 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(196, 0, 135) }
```

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

```
.border{ border-color:rgb(196, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4850, 0.4193, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 135) }
```

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

```
.background{ background-color: rgb(196, 0,  
135) }
```

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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