

Converting Colors

$Yxy(13.2438, 0.3883, 0.1913)$

Have a look what the booklet for
Yxy(13.2438, 0.3883, 0.1913)
contains.

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Color

Yxy(13.2145, 0.3877, 0.1910)

Conversions

Conversions Part 1

Format	Color
Hex	BF0094
RGB	191, 0, 148
RGB Percent	75%, 0%, 58%
CMY	0.2511, 0.9989, 0.4197
CMYK	0.00, 1.00, 0.23, 0.25
HSL	314°, 100%, 37%
HSV	314°, 100%, 75%
XYZ	26.8234, 13.2145, 29.1480
YIQ	73.9810, 66.3280, 86.5200

Conversions

Conversions Part 2

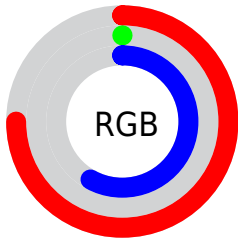
Format	Color
R_{YB}	191, 0, 148
Decimal	12517524
CIE _{Lab}	43.08, 73.29, -27.03
CIE _{LCh}	43, 78.115, 339.757
Yxy	13.2145, 0.3877, 0.1910
Android (android.graphics.Color)	4290707604 (0xFFBF0094)
YUV	73.9810, 36.4914, 102.6257
Hunter-Lab	36.3518, 68.0966, -22.0944

Details

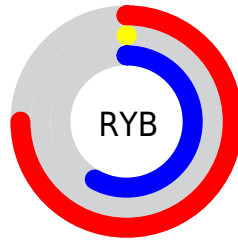
The Yxy color **13.2145, 0.3877, 0.1910** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **37.4237, 0.2933, 0.5756**, and the grayscale version is **6.7971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5899, 0.3725, 0.2185**, and **5.7686, 0.3991, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **13.2074, 0.3878, 0.1910**, and if you desaturate by 10%, it is **13.8264, 0.3791, 0.1913**.

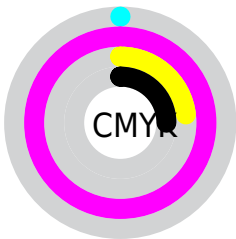
Distribution



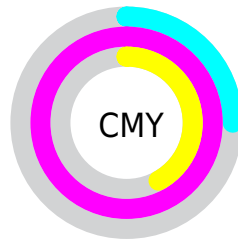
- Red (75%)
- Green (0%)
- Blue (58%)



- Red (75%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2145, 0.3877, 0.1910 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 13.2145, 0.3877, 0.1910 by changing the saturation by 10% instead.


 13.2145, 0.3877,
0.1910


 13.2145, 0.3877,
0.1910


212.2878, 0.3473,
0.2643


 7.5764, 0.3986,
0.1718


 31.6886, 0.3724,
0.2184


 3.8251, 0.4129,
0.1470


 45.2934, 0.3668,
0.2285


 1.5762, 0.4322,
0.1143

 62.3226, 0.3622,
0.2370

 0.3415, 0.4666,
0.0557

 83.1605, 0.3583,
0.2441

 0.0000, 0.5052,
0.0000

 108.1916, 0.3549,
0.2502

 0.0000, 1.0000,
0.0000

 137.8003, 0.3521,

 0.0000, 0.0000,

0.2555

0.0000

172.3709, 0.3495,
0.2602

■ 13.2145, 0.3877,
0.1910

■ 13.2145, 0.3877,
0.1910

■ 13.2074, 0.3878,
0.1910

■ 13.8264, 0.3791,
0.1913

■ 14.9082, 0.3703,
0.1955

■ 16.6232, 0.3613,
0.2044

■ 19.0555, 0.3525,
0.2172

■ 22.2760, 0.3440,
0.2333

■ 26.3474, 0.3362,
0.2516

■ 31.3258, 0.3291,
0.2710

■ 37.2627, 0.3228,
0.2908

■ 44.2055, 0.3174,
0.3104

Harmonies

Analogous

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



13.2145, 0.2324, 0.1429



13.2145, 0.3877, 0.1910



13.2145, 0.5501, 0.2620

Triad

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



13.2145, 0.3877, 0.1910



13.2145, 0.4475, 0.5525



13.2145, 0.0844, 0.1989

Complementary

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



13.2145, 0.3877, 0.1910



37.4237, 0.2933, 0.5756

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.



13.2145, 0.1116, 0.3456



13.2145, 0.3877, 0.1910



13.2145, 0.3146, 0.6373

Square

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



13.2145, 0.3877, 0.1910



13.2145, 0.5613, 0.4364



13.2145, 0.1934, 0.5633



13.2145, 0.0941, 0.1386

Rectangle

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



13.2145, 0.3877, 0.1910



13.2145, 0.6052, 0.3136



13.2145, 0.1934, 0.5633



13.2145, 0.0885, 0.2358

Sweetspot

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



13.2152, 0.3877, 0.1910



55.5290, 0.3295, 0.2698



4.2495, 0.1612, 0.0663



11.3223, 0.3325, 0.2614



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2152, 0.3877, 0.1910



23.6261, 0.3891, 0.1917



11.3467, 0.5822, 0.2982



9.6585, 0.3171, 0.3114



8.6960, 0.3867, 0.1904



0.3499, 0.3680, 0.1801

Inverse Universe

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



13.2152, 0.3877, 0.1910



23.6261, 0.3891, 0.1917



39.0517, 0.2511, 0.4238



9.6585, 0.3171, 0.3114



8.6960, 0.3867, 0.1904



0.3499, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 13.2145, 0.3877, 0.1910 looks on a white background.

Color Contrast Check

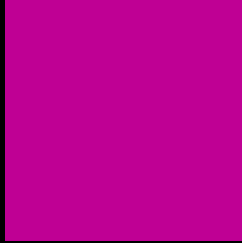
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2145, 0.3877, 0.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

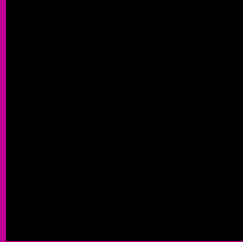
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2145, 0.3877, 0.1910

Background



This preview shows how black text looks on a background with the Yxy color 13.2145, 0.3877, 0.1910.



This preview shows how white text looks on a background with the Yxy color 13.2145, 0.3877, 0.1910.

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

13.2145, 0.3877, 0.1910

Protanopia

13.9871, 0.1779, 0.1498

Deuteranopia

13.7997, 0.2604, 0.2543



Tritanopia

13.5534, 0.5325, 0.3263

Trichromacy



Original Color

13.2145, 0.3877, 0.1910



Protanomaly

9.2331, 0.2036, 0.1284



Deuteranomaly

10.4794, 0.3002, 0.1969



Tritanomaly

12.6782, 0.4881, 0.2675

Monochromacy



Original Color

13.2145, 0.3877, 0.1910



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7545, 0.3508, 0.2214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2145, 0.3877, 0.1910 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(191, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 148)  
}
```

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(191, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 148) }
```

Border

The CSS property to change the border of an element to Yxy 13.2145, 0.3877, 0.1910 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(191, 0, 148) }
```

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

```
.border{ border-color:rgb(191, 0, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2145, 0.3877, 0.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 148) }
```

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

```
.background{ background-color: rgb(191, 0,  
148) }
```

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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