

Converting Colors

$Y_{xy}(12.3855, 0.4873, 0.2458)$

Have a look what the booklet for
Yxy(12.3855, 0.4873, 0.2458)
contains.

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Color

Yxy(12.4089, 0.4879, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	C20065
RGB	194, 0, 101
RGB Percent	76%, 0%, 40%
CMY	0.2391, 1.0000, 0.6039
CMYK	0.00, 1.00, 0.48, 0.24
HSL	329°, 100%, 38%
HSV	329°, 100%, 76%
XYZ	24.6010, 12.4089, 13.4123
YIQ	69.5200, 83.2030, 72.5390

Conversions

Conversions Part 2

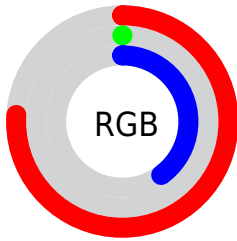
Format	Color
R_{YB}	194, 0, 101
Decimal	12714085
CIE _{Lab}	41.86, 69.25, 0.24
CIE _{LCh}	42, 69.255, 0.202
Yxy	12.4089, 0.4879, 0.2461
Android (android.graphics.Color)	4290904165 (0xFFC20065)
YUV	69.5200, 15.5196, 109.1690
Hunter-Lab	35.2263, 63.0132, 2.0839

Details

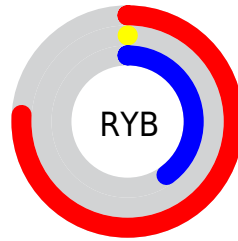
The Yxy color **12.4089, 0.4879, 0.2461** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **39.3824, 0.2745, 0.5082**, and the grayscale version is **6.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1826, 0.4434, 0.2664**, and **5.3442, 0.5272, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **12.4115, 0.4879, 0.2461**, and if you desaturate by 10%, it is **13.0838, 0.4652, 0.2403**.

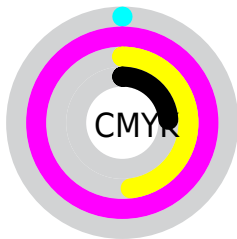
Distribution



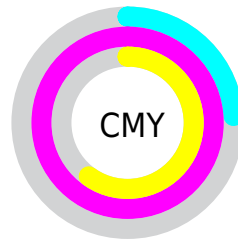
- Red (76%)
- Green (0%)
- Blue (40%)



- Red (76%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4089, 0.4879, 0.2461 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 12.4089, 0.4879, 0.2461 by changing the saturation by 10% instead.


 12.4089, 0.4879,
0.2461


 12.4089, 0.4879,
0.2461


207.0938, 0.3831,
0.2958


 7.0228, 0.5214,
0.2302


 30.2377, 0.4448,
0.2666


 3.4764, 0.5695,
0.2073

 43.4491, 0.4302,
0.2735


 1.3852, 0.6426,
0.1725

 60.0378, 0.4185,
0.2790


 0.2058, 0.8521,
0.0737

 80.3882, 0.4088,
0.2836

 0.0000, 1.0000,
0.0000

 104.8846, 0.4008,
0.2874

 0.0000, 0.0000,
0.0000

 133.9114, 0.3940,

0.2906

167.8530, 0.3882,
0.2934

■ 12.4089, 0.4879,
0.2461

■ 12.4089, 0.4879,
0.2461

■ 12.4115, 0.4879,
0.2461

■ 13.0838, 0.4652,
0.2403

■ 14.2566, 0.4419,
0.2392

■ 16.1013, 0.4188,
0.2432

■ 18.7061, 0.3970,
0.2513

■ 22.1457, 0.3772,
0.2624

■ 26.4856, 0.3598,
0.2753

■ 31.7849, 0.3448,
0.2890

■ 38.0977, 0.3322,
0.3028

■ 45.4737, 0.3215,
0.3162

Harmonies

Analogous

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



12.4089, 0.3323, 0.1830



12.4089, 0.4879, 0.2461



12.4089, 0.5823, 0.3213

Triad

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



12.4089, 0.4879, 0.2461



12.4089, 0.3614, 0.5972



12.4089, 0.1000, 0.1642

Complementary

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



12.4089, 0.4879, 0.2461



39.3824, 0.2745, 0.5082

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.



12.4089, 0.1020, 0.2444



12.4089, 0.4879, 0.2461



12.4089, 0.2414, 0.5809

Square

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



12.4089, 0.4879, 0.2461



12.4089, 0.4825, 0.5091



12.4089, 0.1459, 0.4073



12.4089, 0.1315, 0.1380

Rectangle

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



12.4089, 0.4879, 0.2461



12.4089, 0.5830, 0.3755



12.4089, 0.1459, 0.4073



12.4089, 0.0969, 0.1833

Sweetspot

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



12.4115, 0.4879, 0.2461



57.0766, 0.3455, 0.2884



6.0968, 0.1957, 0.0852



11.5551, 0.3517, 0.2824



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.



12.4115, 0.4879, 0.2461



22.4299, 0.4911, 0.2479



11.4860, 0.6368, 0.3281



10.1635, 0.3209, 0.3171



8.1751, 0.4851, 0.2446



0.3671, 0.4388, 0.2191

Inverse Universe

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



12.4115, 0.4879, 0.2461



22.4299, 0.4911, 0.2479



42.2034, 0.2275, 0.3390



10.1635, 0.3209, 0.3171



8.1751, 0.4851, 0.2446



0.3671, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 12.4089, 0.4879, 0.2461 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 12.4089, 0.4879, 0.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

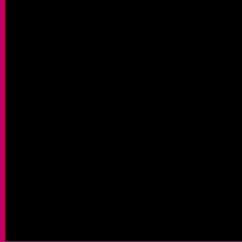
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4089, 0.4879, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 12.4089, 0.4879, 0.2461.



This preview shows how white text looks on a background with the Yxy color 12.4089, 0.4879, 0.2461.

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

12.4089, 0.4879, 0.2461

Protanopia

13.2159, 0.2446, 0.2364

Deuteranopia

13.1031, 0.3444, 0.3397



Tritanopia

12.7472, 0.5854, 0.3298

Trichromacy



Original Color

12.4089, 0.4879, 0.2461



Protanomaly

9.7141, 0.3117, 0.2093



Deuteranomaly

10.1294, 0.4042, 0.2700



Tritanomaly

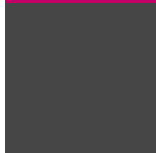
12.2495, 0.5610, 0.2994

Monochromacy



Original Color

12.4089, 0.4879, 0.2461



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.1157, 0.3944, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4089, 0.4879, 0.2461 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(194, 0, 101)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 101)  
}
```

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(194, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.4089, 0.4879, 0.2461 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(194, 0, 101) }
```

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

```
.border{ border-color:rgb(194, 0, 101) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4089, 0.4879, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 101) }
```

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

```
.background{ background-color: rgb(194, 0,  
101) }
```

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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