

Converting Colors

$Y_{xy}(20.9512, 0.4228, 0.2493)$

Have a look what the booklet for
Yxy(20.9512, 0.4228, 0.2493)
contains.

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Color

Yxy(20.9310, 0.4240, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	D9458D
RGB	217, 69, 141
RGB Percent	85%, 27%, 55%
CMY	0.1490, 0.7295, 0.4470
CMYK	0.00, 0.68, 0.35, 0.15
HSL	331°, 66%, 56%
HSV	331°, 68%, 85%
XYZ	35.5559, 20.9310, 27.3713
YIQ	121.4600, 65.0960, 53.7680

Conversions

Conversions Part 2

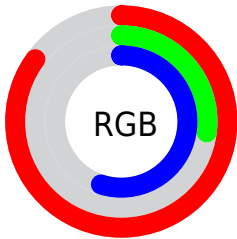
Format	Color
R_{YB}	217, 69, 141
Decimal	14239117
CIE _{Lab}	52.87, 63.40, -7.48
CIE _{LCh}	53, 63.839, 353.275
Yxy	20.9310, 0.4240, 0.2496
Android (android.graphics.Color)	4292429197 (0xFFD9458D)
YUV	121.4600, 9.6332, 83.7886
Hunter-Lab	45.7504, 58.6617, -3.4464

Details

The Yxy color **20.9310, 0.4240, 0.2496** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **52.9432, 0.2685, 0.4389**, and the grayscale version is **19.2281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3789, 0.3776, 0.2599**, and **8.0244, 0.4619, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **18.4183, 0.4493, 0.2458**, and if you desaturate by 10%, it is **24.4550, 0.4003, 0.2575**.

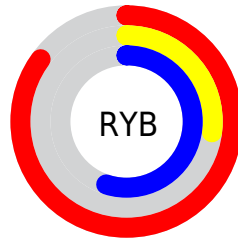
Distribution



Red (85%)

Green (27%)

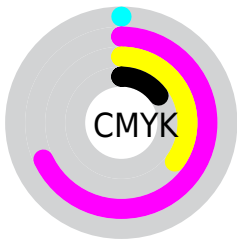
Blue (55%)



Red (85%)

Yellow (27%)

Blue (55%)

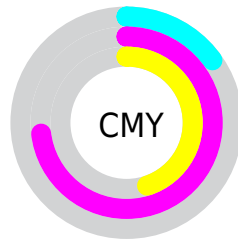


Cyan (0%)

Magenta (68%)

Yellow (35%)

Black (15%)



Cyan (15%)


Magenta (73%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9310, 0.4240, 0.2496 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 20.9310, 0.4240, 0.2496 by changing the saturation by 10% instead.


 20.9310, 0.4240,
0.2496


 20.9310, 0.4240,
0.2496


256.9116, 0.3625,
0.2924


 13.0736, 0.4415,
0.2379


 44.9727, 0.4001,
0.2659


 7.4792, 0.4653,
0.2223


 61.9257, 0.3916,
0.2718

 3.7636, 0.4994,
0.2006

 82.6794, 0.3846,
0.2767

 1.5422, 0.5516,
0.1688

 107.6181, 0.3787,
0.2808

 0.3182, 0.6602,
0.0911

 137.1263, 0.3738,
0.2843

 0.0000, 1.0000,
0.0000

171.5884, 0.3695,

 0.0000, 0.0000,

0.2874

0.0000

211.3887, 0.3657,
0.2900

■ 20.9310, 0.4240,
0.2496

■ 20.9310, 0.4240,
0.2496

■ 18.4183, 0.4493,
0.2458

■ 24.4550, 0.4003,
0.2575

■ 16.8002, 0.4749,
0.2470

■ 29.0833, 0.3790,
0.2683


■ 15.9126, 0.4995,
0.2536


■ 34.9023, 0.3605,
0.2806


■ 15.7867, 0.5039,
0.2550


■ 41.9884, 0.3447,
0.2936

■ 50.4120, 0.3314,
0.3066

 60.2379, 0.3203,
0.3192

 71.5270, 0.3112,
0.3311

 84.3363, 0.3037,
0.3421

 92.6428, 0.2974,
0.3431

Harmonies

Analogous

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



20.9310, 0.3036, 0.1982



20.9310, 0.4240, 0.2496



20.9310, 0.5159, 0.3160

Triad

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



20.9310, 0.4240, 0.2496



20.9310, 0.3895, 0.5349



20.9310, 0.1305, 0.2075

Complementary

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



20.9310, 0.4240, 0.2496



52.9432, 0.2685, 0.4389

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.



20.9310, 0.1431, 0.2914



20.9310, 0.4240, 0.2496



20.9310, 0.2868, 0.5322

Square

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



20.9310, 0.4240, 0.2496



20.9310, 0.4798, 0.4685



20.9310, 0.1960, 0.4241



20.9310, 0.1515, 0.1721

Rectangle

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



20.9310, 0.4240, 0.2496



20.9310, 0.5358, 0.3643



20.9310, 0.1960, 0.4241



20.9310, 0.1308, 0.2293

Sweetspot

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



20.9321, 0.4240, 0.2496



70.0926, 0.3338, 0.3041



15.1045, 0.2399, 0.1395



14.2466, 0.3375, 0.3004



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.



20.9321, 0.4240, 0.2496



25.3331, 0.4609, 0.2457



19.4380, 0.5397, 0.3297



13.1566, 0.3216, 0.3177



9.5759, 0.5006, 0.2531



0.6377, 0.4636, 0.2327

Inverse Universe

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



20.9321, 0.4240, 0.2496



25.3331, 0.4609, 0.2457



55.9100, 0.2340, 0.3288



13.1566, 0.3216, 0.3177



9.5759, 0.5006, 0.2531



0.6377, 0.4636, 0.2327

Previews

White Background



This preview shows how the Yxy color 20.9310, 0.4240, 0.2496 looks on a white background.

Color Contrast Check

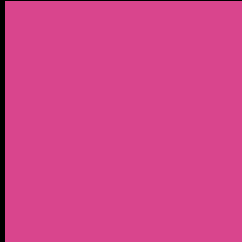
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.9310, 0.4240, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

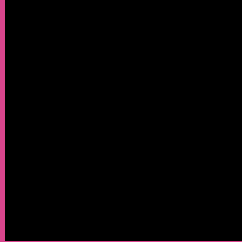
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9310, 0.4240, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 20.9310, 0.4240, 0.2496.



This preview shows how white text looks on a background with the Yxy color 20.9310, 0.4240, 0.2496.

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

20.9310, 0.4240, 0.2496

Protanopia

21.1966, 0.2476, 0.2407

Deuteranopia

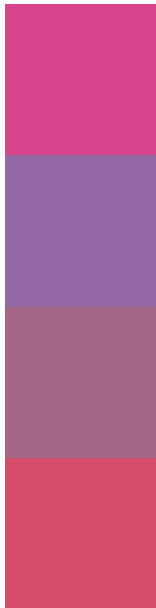
21.0936, 0.3172, 0.3116



Tritanopia

20.8688, 0.4997, 0.3241

Trichromacy



Original Color

20.9310, 0.4240, 0.2496

Protanomaly

19.2093, 0.2975, 0.2358

Deuteranomaly

19.4774, 0.3543, 0.2781

Tritanomaly

20.6654, 0.4729, 0.2958

Monochromacy



Original Color

20.9310, 0.4240, 0.2496

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.1292, 0.3536, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9310, 0.4240, 0.2496 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(217, 69, 141)` looks like.

```
.text, #text, p{  
    color:rgb(217, 69, 141)  
}
```

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(217, 69, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 69, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.9310, 0.4240, 0.2496 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(217, 69, 141) }
```

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

```
.border{ border-color:rgb(217, 69, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 69, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 69, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 69, 141); box-shadow:4px 4px 4px 4px rgb(217, 69, 141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9310, 0.4240, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 69, 141) }
```

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

```
.background{ background-color: rgb(217, 69,  
141) }
```

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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