

Converting Colors

$Y_{xy}(20.9188, 0.4097, 0.2430)$

Have a look what the booklet for
Yxy(20.9188, 0.4097, 0.2430)
contains.

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Color

Yxy(20.9092, 0.4102, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	D64793
RGB	214, 71, 147
RGB Percent	84%, 28%, 58%
CMY	0.1608, 0.7216, 0.4236
CMYK	0.00, 0.67, 0.31, 0.16
HSL	328°, 64%, 56%
HSV	328°, 67%, 84%
XYZ	35.2526, 20.9092, 29.7782
YIQ	122.4210, 60.8320, 53.9520

Conversions

Conversions Part 2

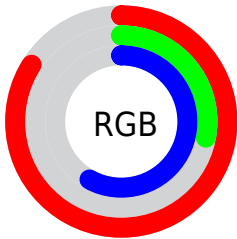
Format	Color
R_{YB}	214, 71, 147
Decimal	14043027
CIE _{Lab}	52.85, 62.48, -11.11
CIE _{LCh}	53, 63.456, 349.913
Yxy	20.9092, 0.4102, 0.2433
Android (android.graphics.Color)	4292233107 (0xFFD64793)
YUV	122.4210, 12.1174, 80.3148
Hunter-Lab	45.7266, 57.5918, -6.6024

Details

The Yxy color **20.9092, 0.4102, 0.2433** 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 **51.2726, 0.2721, 0.4466**, and the grayscale version is **19.5518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9154, 0.3709, 0.2550**, and **7.8131, 0.4441, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **18.3496, 0.4325, 0.2378**, and if you desaturate by 10%, it is **24.4565, 0.3894, 0.2527**.

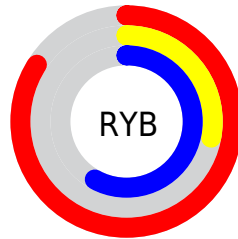
Distribution



Red (84%)

Green (28%)

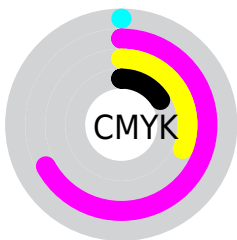
Blue (58%)



Red (84%)

Yellow (28%)

Blue (58%)

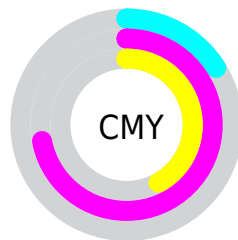


Cyan (0%)

Magenta (67%)

Yellow (31%)

Black (16%)



Cyan (16%)

Magenta (72%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9092, 0.4102, 0.2433 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 20.9092, 0.4102, 0.2433 by changing the saturation by 10% instead.


 20.9092, 0.4102,
0.2433


 20.9092, 0.4102,
0.2433


256.7956, 0.3568,
0.2889


 13.0576, 0.4252,
0.2311


 44.9364, 0.3896,
0.2605

 7.4683, 0.4455,
0.2150


 61.8808, 0.3822,
0.2667


 3.7566, 0.4744,
0.1928

 82.6249, 0.3761,
0.2720

 1.5384, 0.5184,
0.1608

 107.5532, 0.3710,
0.2764

 0.3155, 0.6098,
0.0852

 137.0500, 0.3667,
0.2802

 0.0000, 1.0000,
0.0000

171.4997, 0.3629,

 0.0000, 0.0000,

0.2835

0.0000

211.2868, 0.3596,
0.2863

■ 20.9092, 0.4102,
0.2433

■ 20.9092, 0.4102,
0.2433

■ 18.3496, 0.4325,
0.2378

■ 24.4565, 0.3894,
0.2527

■ 16.6680, 0.4553,
0.2373

■ 29.0793, 0.3706,
0.2647

■ 15.7272, 0.4776,
0.2422


■ 34.8595, 0.3542,
0.2783


■ 15.5060, 0.4846,
0.2443


■ 41.8700, 0.3402,
0.2925

■ 50.1776, 0.3284,
0.3066

 59.8442, 0.3185,
0.3201

 70.9280, 0.3103,
0.3330

 83.4835, 0.3035,
0.3450

 91.9466, 0.2978,
0.3474

Harmonies

Analogous

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



20.9092, 0.2912, 0.1945



20.9092, 0.4102, 0.2433



20.9092, 0.5078, 0.3084

Triad

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



20.9092, 0.4102, 0.2433



20.9092, 0.4005, 0.5287



20.9092, 0.1309, 0.2148

Complementary

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



20.9092, 0.4102, 0.2433



51.2726, 0.2721, 0.4466

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.



20.9092, 0.1476, 0.3046



20.9092, 0.4102, 0.2433



20.9092, 0.2985, 0.5367

Square

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



20.9092, 0.4102, 0.2433



20.9092, 0.4875, 0.4593



20.9092, 0.2053, 0.4389



20.9092, 0.1482, 0.1749

Rectangle

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



20.9092, 0.4102, 0.2433



20.9092, 0.5339, 0.3561



20.9092, 0.2053, 0.4389



20.9092, 0.1324, 0.2385

Sweetspot

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



20.9103, 0.4102, 0.2433



70.2209, 0.3321, 0.3018



14.7429, 0.2371, 0.1408



14.2773, 0.3355, 0.2978



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.



20.9103, 0.4102, 0.2433



26.1448, 0.4416, 0.2370



19.3225, 0.5259, 0.3248



12.5300, 0.3209, 0.3167



9.3927, 0.4815, 0.2426



0.5832, 0.4463, 0.2232

Inverse Universe

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



20.9103, 0.4102, 0.2433



26.1448, 0.4416, 0.2370



54.0526, 0.2370, 0.3354



12.5300, 0.3209, 0.3167



9.3927, 0.4815, 0.2426



0.5832, 0.4463, 0.2232

Previews

White Background



This preview shows how the Yxy color 20.9092, 0.4102, 0.2433 looks on a white background.

Color Contrast Check

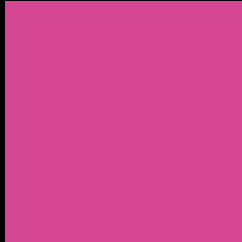
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9092, 0.4102, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

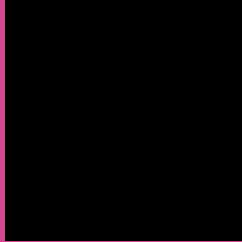
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9092, 0.4102, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 20.9092, 0.4102, 0.2433.



This preview shows how white text looks on a background with the Yxy color 20.9092, 0.4102, 0.2433.

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

20.9092, 0.4102, 0.2433

Protanopia

21.2537, 0.2407, 0.2321

Deuteranopia

21.0165, 0.3069, 0.3012



Tritanopia

20.9540, 0.4884, 0.3227

Trichromacy



Original Color

20.9092, 0.4102, 0.2433



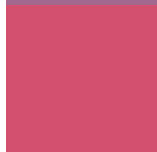
Protanomaly

19.1544, 0.2875, 0.2271



Deuteranomaly

19.5350, 0.3420, 0.2701



Tritanomaly

20.7339, 0.4614, 0.2934

Monochromacy



Original Color

20.9092, 0.4102, 0.2433



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.3078, 0.3478, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9092, 0.4102, 0.2433 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(214, 71, 147)` looks like.

```
.text, #text, p{  
    color:rgb(214, 71, 147)  
}
```

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(214, 71, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 71, 147) }
```

Border

The CSS property to change the border of an element to Yxy 20.9092, 0.4102, 0.2433 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(214, 71, 147) }
```

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

```
.border{ border-color:rgb(214, 71, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 71, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 71, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 71, 147);  
box-shadow:4px 4px 4px 4px rgb(214, 71,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9092, 0.4102, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 71, 147) }
```

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

```
.background{ background-color: rgb(214, 71,  
147) }
```

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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