

Converting Colors

$Y_{xy}(20.7881, 0.4163, 0.2471)$

Have a look what the booklet for
Yxy(20.7881, 0.4163, 0.2471)
contains.

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Color

Yxy(20.7858, 0.4166, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	D6478F
RGB	214, 71, 143
RGB Percent	84%, 28%, 56%
CMY	0.1607, 0.7216, 0.4393
CMYK	0.00, 0.67, 0.33, 0.16
HSL	330°, 64%, 56%
HSV	330°, 67%, 84%
XYZ	34.9450, 20.7858, 28.1506
YIQ	121.9650, 62.1160, 52.7080

Conversions

Conversions Part 2

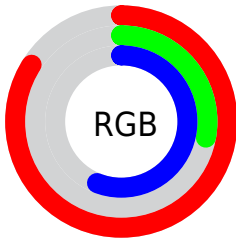
Format	Color
R_{YB}	214, 71, 143
Decimal	14043023
CIE _{Lab}	52.71, 62.01, -8.94
CIE _{LCh}	53, 62.653, 351.798
Yxy	20.7858, 0.4166, 0.2478
Android (android.graphics.Color)	4292233103 (0xFFD6478F)
YUV	121.9650, 10.3703, 80.7147
Hunter-Lab	45.5914, 57.0318, -4.6948

Details

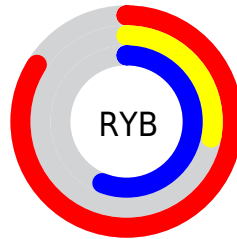
The Yxy color **20.7858, 0.4166, 0.2478** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **51.3938, 0.2700, 0.4401**, and the grayscale version is **19.3999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7296, 0.3752, 0.2589**, and **7.7589, 0.4518, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **18.2207, 0.4406, 0.2429**, and if you desaturate by 10%, it is **24.3417, 0.3942, 0.2566**.

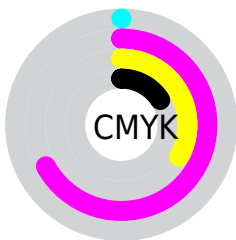
Distribution



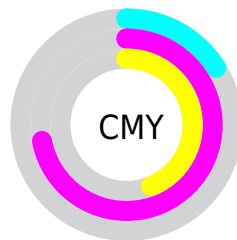
- Red (84%)
- Green (28%)
- Blue (56%)



- Red (84%)
- Yellow (28%)
- Blue (56%)



- Cyan (0%)
- Magenta (67%)
- Yellow (33%)
- Black (16%)




- Cyan (16%)
- Magenta (72%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7858, 0.4166, 0.2478 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 20.7858, 0.4166, 0.2478 by changing the saturation by 10% instead.


 20.7858, 0.4166,
0.2478


 20.7858, 0.4166,
0.2478


256.1379, 0.3593,
0.2914


 12.9675, 0.4329,
0.2360


 44.7308, 0.3944,
0.2643


 7.4062, 0.4550,
0.2202

 61.6263, 0.3865,
0.2703


 3.7174, 0.4866,
0.1984

 82.3163, 0.3799,
0.2753

 1.5168, 0.5352,
0.1665

 107.1852, 0.3745,
0.2795

 0.3005, 0.6381,
0.0868

 136.6174, 0.3698,
0.2831

 0.0000, 1.0000,
0.0000

170.9974, 0.3658,

 0.0000, 0.0000,

0.2862

0.0000

210.7094, 0.3623,
0.2890

■ 20.7858, 0.4166,
0.2478

■ 20.7858, 0.4166,
0.2478

■ 18.2207, 0.4406,
0.2429

■ 24.3417, 0.3942,
0.2566

■ 16.5364, 0.4652,
0.2431

■ 28.9765, 0.3741,
0.2680

■ 15.5956, 0.4891,
0.2486

■ 34.7721, 0.3566,
0.2809

■ 15.3753, 0.4966,
0.2509

■ 41.8014, 0.3417,
0.2943

■ 50.1315, 0.3292,
0.3077

■ 59.8244, 0.3188,
0.3206

■ 70.9384, 0.3102,
0.3328

■ 83.5281, 0.3030,
0.3441

■ 92.0294, 0.2970,
0.3459

Harmonies

Analogous

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



20.7858, 0.2984, 0.1979



20.7858, 0.4166, 0.2478



20.7858, 0.5098, 0.3132

Triad

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



20.7858, 0.4166, 0.2478



20.7858, 0.3940, 0.5299



20.7858, 0.1324, 0.2122

Complementary

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



20.7858, 0.4166, 0.2478



51.3938, 0.2700, 0.4401

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.



20.7858, 0.1469, 0.2978



20.7858, 0.4166, 0.2478



20.7858, 0.2926, 0.5311

Square

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



20.7858, 0.4166, 0.2478



20.7858, 0.4818, 0.4636



20.7858, 0.2016, 0.4291



20.7858, 0.1517, 0.1749

Rectangle

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



20.7858, 0.4166, 0.2478



20.7858, 0.5323, 0.3610



20.7858, 0.2016, 0.4291



20.7858, 0.1333, 0.2346

Sweetspot

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



20.7869, 0.4166, 0.2478



70.1404, 0.3332, 0.3032



14.9476, 0.2394, 0.1419



14.2580, 0.3367, 0.2994



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.



20.7869, 0.4166, 0.2478



25.9502, 0.4504, 0.2423



19.2903, 0.5294, 0.3273



12.5241, 0.3213, 0.3173



9.3129, 0.4933, 0.2491



0.5784, 0.4556, 0.2283

Inverse Universe

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



20.7869, 0.4166, 0.2478



25.9502, 0.4504, 0.2423



54.1749, 0.2359, 0.3321



12.5241, 0.3213, 0.3173



9.3129, 0.4933, 0.2491



0.5784, 0.4556, 0.2283

Previews

White Background



This preview shows how the Yxy color 20.7858, 0.4166, 0.2478 looks on a white background.

Color Contrast Check

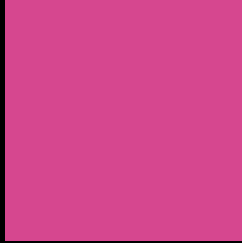
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7858, 0.4166, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

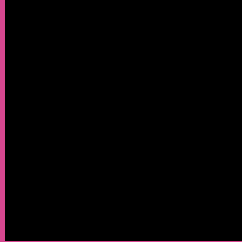
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7858, 0.4166, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 20.7858, 0.4166, 0.2478.



This preview shows how white text looks on a background with the Yxy color 20.7858, 0.4166, 0.2478.

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

20.7858, 0.4166, 0.2478

Protanopia

21.1731, 0.2460, 0.2391

Deuteranopia

21.0118, 0.3114, 0.3063



Tritanopia

20.7636, 0.4921, 0.3239

Trichromacy



Original Color

20.7858, 0.4166, 0.2478



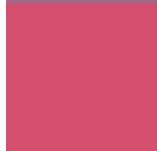
Protanomaly

19.0594, 0.2940, 0.2338



Deuteranomaly

19.5512, 0.3473, 0.2747



Tritanomaly

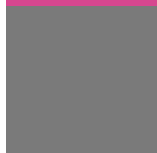
20.5450, 0.4652, 0.2948

Monochromacy



Original Color

20.7858, 0.4166, 0.2478



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2808, 0.3492, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7858, 0.4166, 0.2478 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(214, 71, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 71, 143) }
```

Border

The CSS property to change the border of an element to Yxy 20.7858, 0.4166, 0.2478 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, 143) }
```

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

```
.border{ border-color:rgb(214, 71, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 71, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 71, 143);  
box-shadow:4px 4px 4px 4px rgb(214, 71,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7858, 0.4166, 0.2478 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, 143) }
```

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

```
.background{ background-color: rgb(214, 71,  
143) }
```

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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