

# Converting Colors

$Y_{xy}(20.7297, 0.4261, 0.2497)$

Have a look what the booklet for  
Yxy(20.7297, 0.4261, 0.2497)  
contains.

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**Color**

**Yxy(20.7794, 0.4259, 0.2499)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9448C
RGB	217, 68, 140
RGB Percent	85%, 27%, 55%
CMY	0.1491, 0.7332, 0.4510
CMYK	0.00, 0.69, 0.35, 0.15
HSL	331°, 66%, 56%
HSV	331°, 69%, 85%
XYZ	35.4140, 20.7794, 26.9575
YIQ	120.7590, 65.6920, 53.9800

# Conversions

## Conversions Part 2

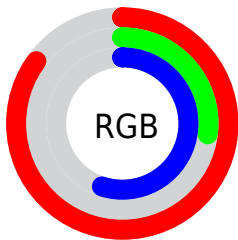
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 68, 140
Decimal	14238860
CIE <sub>Lab</sub>	52.71, 63.64, -7.12
CIE <sub>LCh</sub>	53, 64.035, 353.613
Yxy	20.7794, 0.4259, 0.2499
Android (android.graphics.Color)	4292428940 (0xFFD9448C)
YUV	120.7590, 9.4858, 84.4034
Hunter-Lab	45.5844, 58.9016, -3.1535

# Details

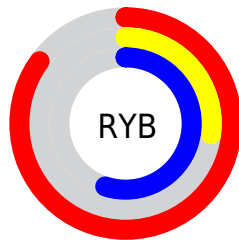
The Yxy color **20.7794, 0.4259, 0.2499** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **52.8943, 0.2681, 0.4390**, and the grayscale version is **18.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0320, 0.3801, 0.2609**, and **7.9063, 0.4629, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **18.3088, 0.4514, 0.2463**, and if you desaturate by 10%, it is **24.2568, 0.4019, 0.2576**.

# Distribution



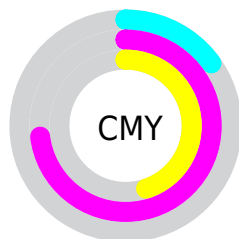
- Red (85%)
- Green (27%)
- Blue (55%)



- Red (85%)
- Yellow (27%)
- Blue (55%)



- Cyan (0%)
- Magenta (69%)
- Yellow (35%)
- Black (15%)



- Cyan (15%)
- Magenta (73%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7794, 0.4259, 0.2499 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 20.7794, 0.4259, 0.2499 by changing the saturation by 10% instead.





 20.7794, 0.4259,  
0.2499


 20.7794, 0.4259,  
0.2499


256.1038, 0.3632,  
0.2926


 12.9628, 0.4438,  
0.2382


 44.7201, 0.4015,  
0.2662


 7.4030, 0.4681,  
0.2226


 61.6130, 0.3929,  
0.2721


 3.7154, 0.5030,  
0.2007

 82.3002, 0.3857,  
0.2770

 1.5157, 0.5565,  
0.1686

 107.1661, 0.3798,  
0.2811

 0.2997, 0.6701,  
0.0880

 136.5950, 0.3747,  
0.2846

 0.0000, 1.0000,  
0.0000

170.9713, 0.3703,

 0.0000, 0.0000,

0.2876

0.0000

210.6794, 0.3665,  
0.2903

■ 20.7794, 0.4259,  
0.2499

■ 20.7794, 0.4259,  
0.2499

■ 18.3088, 0.4514,  
0.2463

■ 24.2568, 0.4019,  
0.2576

■ 16.7273, 0.4772,  
0.2479

■ 28.8347, 0.3804,  
0.2682


■ 15.8618, 0.5020,  
0.2547

■ 34.5997, 0.3616,  
0.2804


■ 15.7670, 0.5054,  
0.2558


■ 41.6288, 0.3455,  
0.2933

■ 49.9923, 0.3320,  
0.3062

 59.7556, 0.3208,  
0.3187

 70.9794, 0.3116,  
0.3306

 83.7211, 0.3039,  
0.3416

 92.6166, 0.2975,  
0.3435

# Harmonies

## Analogous

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



20.7794, 0.3048, 0.1982



20.7794, 0.4259, 0.2499



20.7794, 0.5176, 0.3166

# Triad

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



20.7794, 0.4259, 0.2499



20.7794, 0.3885, 0.5364



20.7794, 0.1299, 0.2063

# Complementary

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



20.7794, 0.4259, 0.2499



52.8943, 0.2681, 0.4390

# 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.



20.7794, 0.1420, 0.2898



20.7794, 0.4259, 0.2499



20.7794, 0.2853, 0.5328

# Square

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



20.7794, 0.4259, 0.2499



20.7794, 0.4795, 0.4698



20.7794, 0.1946, 0.4230



20.7794, 0.1513, 0.1713



# Rectangle

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



20.7794, 0.4259, 0.2499



20.7794, 0.5368, 0.3651



20.7794, 0.1946, 0.4230



20.7794, 0.1300, 0.2279

# Sweetspot

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



20.7805, 0.4259, 0.2499



68.8075, 0.3352, 0.3029



15.1647, 0.2418, 0.1396



13.9963, 0.3389, 0.2993



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.



20.7805, 0.4259, 0.2499



25.3110, 0.4620, 0.2463



19.6113, 0.5397, 0.3320



13.1558, 0.3216, 0.3178



9.5667, 0.5020, 0.2539



0.6371, 0.4647, 0.2334



# Inverse Universe

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



20.7805, 0.4259, 0.2499



25.3110, 0.4620, 0.2463



54.5887, 0.2329, 0.3253



13.1558, 0.3216, 0.3178



9.5667, 0.5020, 0.2539

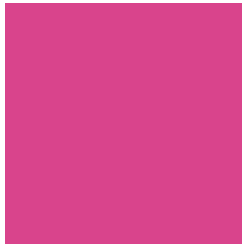


0.6371, 0.4647, 0.2334



# Previews

## White Background



This preview shows how the Yxy color 20.7794, 0.4259, 0.2499 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 20.7794, 0.4259, 0.2499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

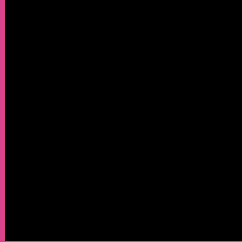
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.7794, 0.4259, 0.2499**

## Background



This preview shows how black text looks on a background with the Yxy color 20.7794, 0.4259, 0.2499.



This preview shows how white text looks on a background with the Yxy color 20.7794, 0.4259, 0.2499.

# 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

20.7794, 0.4259, 0.2499

### Protanopia

21.1966, 0.2476, 0.2407

### Deuteranopia

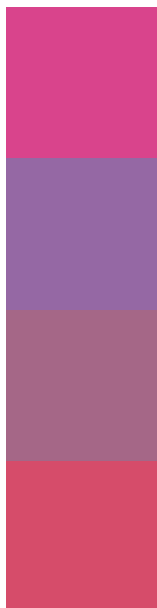
21.0661, 0.3183, 0.3133



## Tritanopia

20.7029, 0.5020, 0.3241

# Trichromacy



## Original Color

20.7794, 0.4259, 0.2499

## Protanomaly

18.9705, 0.2986, 0.2356

## Deuteranomaly

19.4491, 0.3557, 0.2796

## Tritanomaly

20.5056, 0.4751, 0.2960

# Monochromacy



## Original Color

20.7794, 0.4259, 0.2499

## 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 20.7794, 0.4259, 0.2499 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, 68, 140)` looks like.

```
.text, #text, p{  
    color:rgb(217, 68, 140)  
}
```

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, 68, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 68, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 20.7794, 0.4259, 0.2499 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, 68, 140) }
```

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

```
.border{ border-color:rgb(217, 68, 140) }
```

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

Here you see how a box with a 4 pixel rgb(217, 68, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 68, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 68, 140);  
box-shadow:4px 4px 4px 4px rgb(217, 68,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.7794, 0.4259, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 68, 140) }
```

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

```
.background{ background-color: rgb(217, 68,  
140) }
```

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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