

# Converting Colors

$Y_{xy}(20.8469, 0.4305, 0.2766)$

Have a look what the booklet for  
Yxy(20.8469, 0.4305, 0.2766)  
contains.

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**Color**

**Yxy(20.9583, 0.4310, 0.2772)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF537E
RGB	207, 83, 126
RGB Percent	81%, 33%, 49%
CMY	0.1883, 0.6744, 0.5059
CMYK	0.00, 0.60, 0.39, 0.19
HSL	339°, 56%, 57%
HSV	339°, 60%, 81%
XYZ	32.5867, 20.9583, 22.0622
YIQ	124.9780, 60.1010, 39.6610

# Conversions

## Conversions Part 2

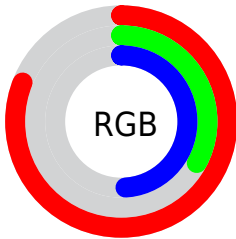
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 83, 126
Decimal	13587326
CIE <sub>Lab</sub>	52.90, 52.95, 1.33
CIE <sub>LCh</sub>	53, 52.966, 1.439
Yxy	20.9583, 0.4310, 0.2772
Android (android.graphics.Color)	4291777406 (0xFFCF537E)
YUV	124.9780, 0.5038, 71.9333
Hunter-Lab	45.7802, 46.9421, 3.4734

# Details

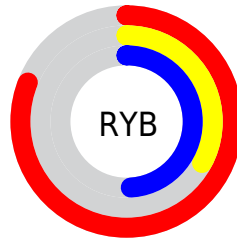
The Yxy color **20.9583, 0.4310, 0.2772** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **49.1377, 0.2614, 0.3943**, and the grayscale version is **20.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6916, 0.3925, 0.2866**, and **7.4445, 0.4774, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **17.9240, 0.4632, 0.2730**, and if you desaturate by 10%, it is **24.9872, 0.4021, 0.2842**.

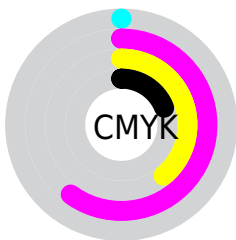
# Distribution



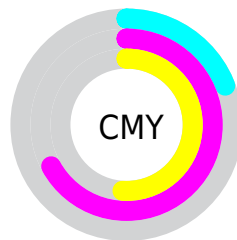
- Red (81%)
- Green (33%)
- Blue (49%)



- Red (81%)
- Yellow (33%)
- Blue (49%)



- Cyan (0%)
- Magenta (60%)
- Yellow (39%)
- Black (19%)




- Cyan (19%)
- Magenta (67%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9583, 0.4310, 0.2772 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 20.9583, 0.4310, 0.2772 by changing the saturation by 10% instead.





 20.9583, 0.4310,  
0.2772


 20.9583, 0.4310,  
0.2772


257.0568, 0.3644,  
0.3066

 13.0935, 0.4505,  
0.2685


 45.0181, 0.4048,  
0.2888


 7.4930, 0.4774,  
0.2564


 61.9820, 0.3956,  
0.2929


 3.7723, 0.5167,  
0.2386

 82.7476, 0.3880,  
0.2962

 1.5470, 0.5785,  
0.2103

 107.6995, 0.3817,  
0.2990

 0.3215, 0.7615,  
0.1325

 137.2219, 0.3764,  
0.3014

 0.0000, 1.0000,  
0.0000

171.6994, 0.3718,

 0.0000, 0.0000,

0.3034

0.0000

211.5162, 0.3678,  
0.3051

■ 20.9583, 0.4310,  
0.2772

■ 20.9583, 0.4310,  
0.2772

■ 17.9240, 0.4632,  
0.2730

■ 24.9872, 0.4021,  
0.2842

■ 15.7922, 0.4972,  
0.2727

■ 30.0855, 0.3771,  
0.2928

■ 14.4590, 0.5305,  
0.2774

■ 36.3245, 0.3560,  
0.3021

■ 13.7342, 0.5606,  
0.2863

■ 43.7684, 0.3386,  
0.3115

■ 13.7271, 0.5609,  
0.2864

■ 52.4766, 0.3243,  
0.3206

■ 62.5046, 0.3126,  
0.3291

■ 73.9045, 0.3030,  
0.3370

■ 86.7256, 0.2952,  
0.3443

■ 91.5418, 0.2881,  
0.3365

# Harmonies

## Analogous

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



20.9583, 0.3331, 0.2265



20.9583, 0.4310, 0.2772



20.9583, 0.4935, 0.3395

# Triad

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



20.9583, 0.4310, 0.2772



20.9583, 0.3603, 0.5081



20.9583, 0.1561, 0.2145

# Complementary

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



20.9583, 0.4310, 0.2772



49.1377, 0.2614, 0.3943

# 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.



20.9583, 0.1601, 0.2764



20.9583, 0.4310, 0.2772



20.9583, 0.2714, 0.4761

# Square

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



20.9583, 0.4310, 0.2772



20.9583, 0.4417, 0.4710



20.9583, 0.1988, 0.3769



20.9583, 0.1834, 0.1904



# Rectangle

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



20.9583, 0.4310, 0.2772



20.9583, 0.5006, 0.3839



20.9583, 0.1988, 0.3769



20.9583, 0.1538, 0.2305

# Sweetspot

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



20.9594, 0.4310, 0.2772



72.3467, 0.3360, 0.3130



18.5445, 0.2710, 0.1699



14.6675, 0.3406, 0.3103



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.



20.9594, 0.4310, 0.2772



27.5677, 0.4733, 0.2724



23.3159, 0.4825, 0.3516



11.8749, 0.3237, 0.3210



8.6667, 0.5573, 0.2844



0.4994, 0.5058, 0.2560



# Inverse Universe

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



20.9594, 0.4310, 0.2772



27.5677, 0.4733, 0.2724



42.4767, 0.2335, 0.3016



11.8749, 0.3237, 0.3210



8.6667, 0.5573, 0.2844



0.4994, 0.5058, 0.2560



# Previews

## White Background



This preview shows how the Yxy color 20.9583, 0.4310, 0.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

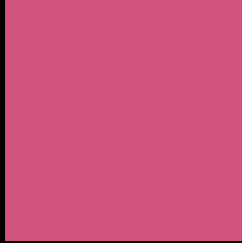
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 20.9583, 0.4310, 0.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

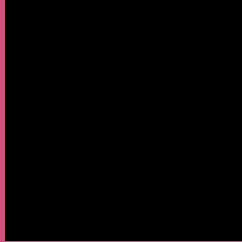
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.9583, 0.4310, 0.2772**

## Background



This preview shows how black text looks on a background with the Yxy color 20.9583, 0.4310, 0.2772.



This preview shows how white text looks on a background with the Yxy color 20.9583, 0.4310, 0.2772.

# 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

20.9583, 0.4310, 0.2772

### Protanopia

21.2537, 0.2803, 0.2835

### Deuteranopia

21.0259, 0.3401, 0.3326



## Tritanopia

20.9501, 0.4740, 0.3223

# Trichromacy



**Original Color**

20.9583, 0.4310, 0.2772

**Protanomaly**

19.8104, 0.3268, 0.2757

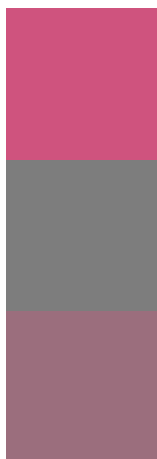
**Deuteranomaly**

20.2373, 0.3735, 0.3073

**Tritanomaly**

20.9788, 0.4595, 0.3064

# Monochromacy



**Original Color**

20.9583, 0.4310, 0.2772

**Achromatopsia**

20.5079, 0.3127, 0.3290

**Achromatomaly**

19.6011, 0.3541, 0.3045

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.9583, 0.4310, 0.2772 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(207, 83, 126)` looks like.

```
.text, #text, p{  
    color:rgb(207, 83, 126)  
}
```

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(207, 83, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 83, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 20.9583, 0.4310, 0.2772 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(207, 83, 126) }
```

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

```
.border{ border-color:rgb(207, 83, 126) }
```

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

Here you see how a box with a 4 pixel rgb(207, 83, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 83, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 83, 126);  
box-shadow:4px 4px 4px 4px rgb(207, 83,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.9583, 0.4310, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 83, 126) }
```

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

```
.background{ background-color: rgb(207, 83,  
126) }
```

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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