

# Converting Colors

$Y_{xy}(23.3215, 0.4432, 0.3008)$

Have a look what the booklet for  
Yxy(23.3215, 0.4432, 0.3008)  
contains.

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**Color**

**Yxy(23.3105, 0.4438, 0.3006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D45E76
RGB	212, 94, 118
RGB Percent	83%, 37%, 46%
CMY	0.1688, 0.6312, 0.5373
CMYK	0.00, 0.56, 0.44, 0.17
HSL	348°, 58%, 60%
HSV	348°, 56%, 83%
XYZ	34.4152, 23.3105, 19.8209
YIQ	132.0180, 62.6240, 32.4800

# Conversions

## Conversions Part 2

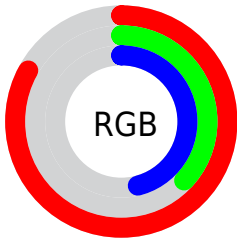
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 94, 118
Decimal	13917814
CIE <sub>Lab</sub>	55.39, 48.66, 9.74
CIE <sub>LCh</sub>	55, 49.621, 11.318
Yxy	23.3105, 0.4438, 0.3006
Android (android.graphics.Color)	4292107894 (0xFFD45E76)
YUV	132.0180, -6.9109, 70.1442
Hunter-Lab	48.2809, 42.7450, 9.4562

# Details

The Yxy color **23.3105, 0.4438, 0.3006** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **53.0808, 0.2547, 0.3631**, and the grayscale version is **23.0935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3421, 0.3990, 0.3062**, and **8.6655, 0.4938, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **19.6775, 0.4828, 0.2981**, and if you desaturate by 10%, it is **28.0528, 0.4093, 0.3048**.

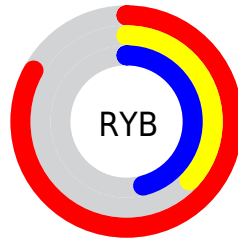
# Distribution



Red (83%)

Green (37%)

Blue (46%)



Red (83%)

Yellow (37%)

Blue (46%)

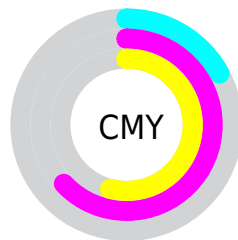


Cyan (0%)

Magenta (56%)

Yellow (44%)

Black (17%)



Cyan (17%)

Magenta (63%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3105, 0.4438, 0.3006 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 23.3105, 0.4438, 0.3006 by changing the saturation by 10% instead.





 23.3105, 0.4438,  
0.3006


 23.3105, 0.4438,  
0.3006


269.3158, 0.3704,  
0.3182


 14.8229, 0.4649,  
0.2948


 48.9027, 0.4151,  
0.3080


 8.6952, 0.4938,  
0.2863


 66.7761, 0.4050,  
0.3104

 4.5429, 0.5353,  
0.2732

 88.5469, 0.3966,  
0.3124

 1.9817, 0.5988,  
0.2507

 114.5995, 0.3897,  
0.3140

 0.5968, 0.7807,  
0.2193

145.3183, 0.3838,  
0.3153

 0.0000, 1.0000,  
0.0000

181.0877, 0.3787,

 0.0000, 0.0000,

0.3164

0.0000

222.2920, 0.3743,  
0.3174

■ 23.3105, 0.4438,  
0.3006

■ 23.3105, 0.4438,  
0.3006

■ 19.6775, 0.4828,  
0.2981

■ 28.0528, 0.4093,  
0.3048

■ 17.0593, 0.5241,  
0.2984

■ 33.9815, 0.3800,  
0.3100

■ 15.3519, 0.5637,  
0.3022

■ 41.1707, 0.3559,  
0.3155

■ 14.4261, 0.5967,  
0.3093

■ 49.6879, 0.3362,  
0.3210

■ 14.1660, 0.6086,  
0.3126

■ 59.5954, 0.3203,  
0.3262

70.9516, 0.3074,  
0.3311

83.8118, 0.2970,  
0.3355

92.6109, 0.2881,  
0.3309

92.7312, 0.2871,  
0.3289

# Harmonies

## Analogous

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



23.3105, 0.3619, 0.2485



23.3105, 0.4438, 0.3006



23.3105, 0.4836, 0.3611

# Triad

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



23.3105, 0.4438, 0.3006



23.3105, 0.3312, 0.4885



23.3105, 0.1731, 0.2135

# Complementary

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



23.3105, 0.4438, 0.3006



53.0808, 0.2547, 0.3631

# 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.



23.3105, 0.1674, 0.2594



23.3105, 0.4438, 0.3006



23.3105, 0.2516, 0.4353

# Square

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



23.3105, 0.4438, 0.3006



23.3105, 0.4102, 0.4753



23.3105, 0.1932, 0.3407



23.3105, 0.2087, 0.1999



# Rectangle

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



23.3105, 0.4438, 0.3006



23.3105, 0.4788, 0.4028



23.3105, 0.1932, 0.3407



23.3105, 0.1678, 0.2249

# Sweetspot

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



23.3117, 0.4438, 0.3006



73.3635, 0.3390, 0.3202



23.2550, 0.2914, 0.1870



15.1186, 0.3428, 0.3191



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.



23.3117, 0.4438, 0.3006



28.9521, 0.4913, 0.2980



30.0959, 0.4524, 0.3698



12.4616, 0.3259, 0.3243



8.7606, 0.6054, 0.3109



0.5405, 0.5572, 0.2843



# Inverse Universe

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



23.3117, 0.4438, 0.3006



28.9521, 0.4913, 0.2980



39.1936, 0.2326, 0.2803



12.4616, 0.3259, 0.3243



8.7606, 0.6054, 0.3109

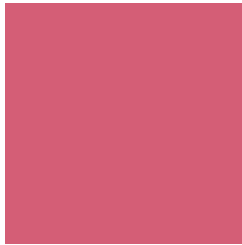


0.5405, 0.5572, 0.2843



# Previews

## White Background



This preview shows how the Yxy color 23.3105, 0.4438, 0.3006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

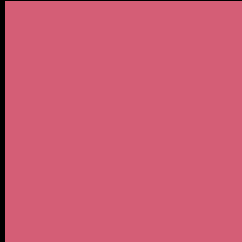
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 23.3105, 0.4438, 0.3006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

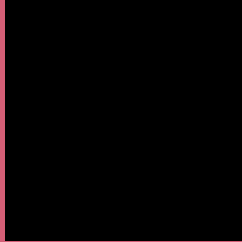
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.3105, 0.4438, 0.3006**

## Background



This preview shows how black text looks on a background with the Yxy color 23.3105, 0.4438, 0.3006.



This preview shows how white text looks on a background with the Yxy color 23.3105, 0.4438, 0.3006.

# 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

23.3105, 0.4438, 0.3006

### Protanopia

23.4349, 0.3076, 0.3170

### Deuteranopia

23.4029, 0.3605, 0.3539



## Tritanopia

23.3775, 0.4630, 0.3223

# Trichromacy



## Original Color

23.3105, 0.4438, 0.3006

## Protanomaly

22.2769, 0.3529, 0.3086

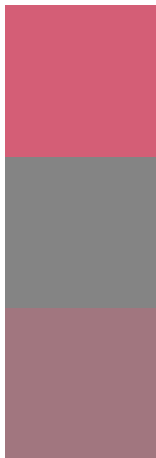
## Deuteranomaly

22.7273, 0.3899, 0.3307

## Tritanomaly

23.2973, 0.4564, 0.3150

# Monochromacy



## Original Color

23.3105, 0.4438, 0.3006

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

22.0662, 0.3568, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.3105, 0.4438, 0.3006 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(212, 94, 118)` looks like.

```
.text, #text, p{  
    color:rgb(212, 94, 118)  
}
```

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(212, 94, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 94, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 23.3105, 0.4438, 0.3006 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(212, 94, 118) }
```

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

```
.border{ border-color:rgb(212, 94, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 94, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 94, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 94, 118);  
box-shadow:4px 4px 4px 4px rgb(212, 94,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.3105, 0.4438, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 94, 118) }
```

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

```
.background{ background-color: rgb(212, 94,  
118) }
```

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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