

Converting Colors

$Y_{xy}(23.9391, 0.4178, 0.2802)$

Have a look what the booklet for
Yxy(23.9391, 0.4178, 0.2802)
contains.

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Color

Yxy(23.9307, 0.4180, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	D45F87
RGB	212, 95, 135
RGB Percent	83%, 37%, 53%
CMY	0.1685, 0.6275, 0.4705
CMYK	0.00, 0.55, 0.36, 0.17
HSL	339°, 58%, 60%
HSV	339°, 55%, 83%
XYZ	35.6233, 23.9307, 25.6693
YIQ	134.5430, 56.8920, 37.2440

Conversions

Conversions Part 2

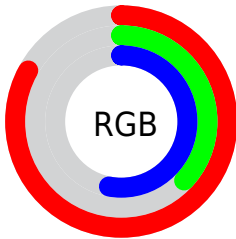
Format	Color
R_{YB}	212, 95, 135
Decimal	13918087
CIE Lab	56.02, 50.07, 0.62
CIE LCh	56, 50.077, 0.707
Yxy	23.9307, 0.4180, 0.2808
Android (android.graphics.Color)	4292108167 (0xFFD45F87)
YUV	134.5430, 0.2253, 67.9298
Hunter-Lab	48.9190, 44.3773, 3.1321

Details

The Yxy color **23.9307, 0.4180, 0.2808** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **52.5104, 0.2636, 0.3875**, and the grayscale version is **24.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3857, 0.3798, 0.2885**, and **9.0595, 0.4563, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **20.2513, 0.4492, 0.2752**, and if you desaturate by 10%, it is **28.7033, 0.3906, 0.2886**.

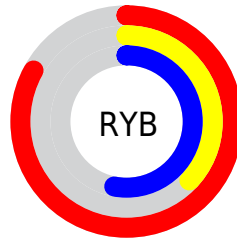
Distribution



Red (83%)

Green (37%)

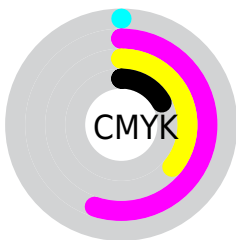
Blue (53%)



Red (83%)

Yellow (37%)

Blue (53%)

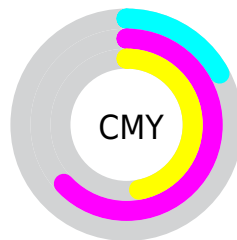


Cyan (0%)

Magenta (55%)

Yellow (36%)

Black (17%)



Cyan (17%)


Magenta (63%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9307, 0.4180, 0.2808 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 23.9307, 0.4180, 0.2808 by changing the saturation by 10% instead.


 23.9307, 0.4180,
0.2808


 23.9307, 0.4180,
0.2808

272.4699, 0.3598,
0.3075


 15.2822, 0.4346,
0.2732


 49.9171, 0.3954,
0.2912


 9.0177, 0.4571,
0.2627

 68.0238, 0.3874,
0.2949

 4.7527, 0.4896,
0.2476

 90.0520, 0.3807,
0.2979

 2.1029, 0.5396,
0.2243

 116.3862, 0.3752,
0.3005

 0.6663, 0.6321,
0.1818

147.4107, 0.3705,
0.3027

 0.0000, 1.0000,
0.0000

183.5098, 0.3664,

 0.0000, 0.0000,

0.3045

0.0000

225.0681, 0.3629,
0.3061

■ 23.9307, 0.4180,
0.2808

■ 23.9307, 0.4180,
0.2808

■ 20.2513, 0.4492,
0.2752

■ 28.7033, 0.3906,
0.2886

■ 17.5728, 0.4829,
0.2731

■ 34.6440, 0.3672,
0.2975

■ 15.7939, 0.5172,
0.2756

■ 41.8256, 0.3477,
0.3068

■ 14.7895, 0.5490,
0.2830

■ 50.3135, 0.3317,
0.3159

■ 14.4757, 0.5631,
0.2875

■ 60.1687, 0.3186,
0.3247

71.4485, 0.3078,
0.3328

84.2066, 0.2991,
0.3404

92.2129, 0.2916,
0.3376

92.7410, 0.2872,
0.3289

Harmonies

Analogous

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



23.9307, 0.3296, 0.2337



23.9307, 0.4180, 0.2808



23.9307, 0.4760, 0.3392

Triad

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



23.9307, 0.4180, 0.2808



23.9307, 0.3604, 0.4907



23.9307, 0.1676, 0.2256

Complementary

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



23.9307, 0.4180, 0.2808



52.5104, 0.2636, 0.3875

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.



23.9307, 0.1727, 0.2843



23.9307, 0.4180, 0.2808



23.9307, 0.2784, 0.4616

Square

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



23.9307, 0.4180, 0.2808



23.9307, 0.4342, 0.4595



23.9307, 0.2103, 0.3751



23.9307, 0.1926, 0.2014

Rectangle

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



23.9307, 0.4180, 0.2808



23.9307, 0.4844, 0.3807



23.9307, 0.2103, 0.3751



23.9307, 0.1659, 0.2411

Sweetspot

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



23.9319, 0.4180, 0.2808



73.6894, 0.3346, 0.3142



21.6008, 0.2752, 0.1813



15.1948, 0.3377, 0.3123



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.



23.9319, 0.4180, 0.2808



30.0497, 0.4541, 0.2747



26.5345, 0.4633, 0.3505



12.4902, 0.3238, 0.3211



8.9511, 0.5593, 0.2855



0.5552, 0.5107, 0.2587

Inverse Universe

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



23.9319, 0.4180, 0.2808



30.0497, 0.4541, 0.2747



45.9798, 0.2380, 0.3040



12.4902, 0.3238, 0.3211



8.9511, 0.5593, 0.2855



0.5552, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 23.9307, 0.4180, 0.2808 looks on a white background.

Color Contrast Check

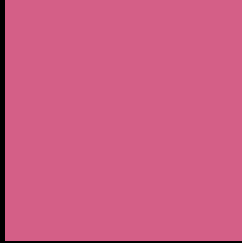
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9307, 0.4180, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

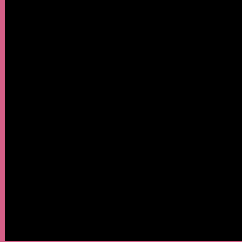
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9307, 0.4180, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 23.9307, 0.4180, 0.2808.



This preview shows how white text looks on a background with the Yxy color 23.9307, 0.4180, 0.2808.

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

23.9307, 0.4180, 0.2808

Protanopia

24.2646, 0.2848, 0.2891

Deuteranopia

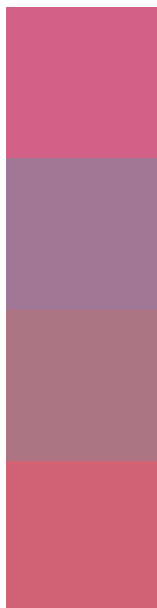
24.0343, 0.3374, 0.3307



Tritanopia

23.8775, 0.4541, 0.3209

Trichromacy



Original Color

23.9307, 0.4180, 0.2808

Protanomaly

23.1085, 0.3269, 0.2827

Deuteranomaly

23.2455, 0.3671, 0.3081

Tritanomaly

23.8686, 0.4420, 0.3063

Monochromacy



Original Color

23.9307, 0.4180, 0.2808

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

22.9687, 0.3486, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9307, 0.4180, 0.2808 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, 95, 135)` looks like.

```
.text, #text, p{  
    color:rgb(212, 95, 135)  
}
```

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, 95, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 95, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.9307, 0.4180, 0.2808 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, 95, 135) }
```

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

```
.border{ border-color:rgb(212, 95, 135) }
```

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

Here you see how a box with a 4 pixel rgb(212, 95, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 95, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 95, 135);  
box-shadow:4px 4px 4px 4px rgb(212, 95,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9307, 0.4180, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 95, 135) }
```

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

```
.background{ background-color: rgb(212, 95,  
135) }
```

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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