

Converting Colors

$Y_{xy}(23.5358, 0.3864, 0.2446)$

Have a look what the booklet for
Yxy(23.5358, 0.3864, 0.2446)
contains.

Yxy(23.4657, 0.3867, 0.2446)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4657, 0.3867, 0.2446)

Conversions

Conversions Part 1

Format	Color
Hex	D5579F
RGB	213, 87, 159
RGB Percent	84%, 34%, 62%
CMY	0.1649, 0.6587, 0.3765
CMYK	0.00, 0.59, 0.25, 0.16
HSL	326°, 60%, 59%
HSV	326°, 59%, 84%
XYZ	37.0981, 23.4657, 35.3712
YIQ	132.8820, 51.9840, 49.1040

Conversions

Conversions Part 2

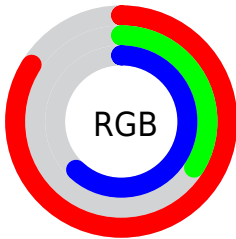
Format	Color
R _Y B	213, 87, 159
Decimal	13981599
CIE Lab	55.55, 57.00, -14.13
CIE LCh	56, 58.729, 346.082
Yxy	23.4657, 0.3867, 0.2446
Android (android.graphics.Color)	4292171679 (0xFFD5579F)
YUV	132.8820, 12.8762, 70.2635
Hunter-Lab	48.4414, 51.9289, -9.3837

Details

The Yxy color **23.4657, 0.3867, 0.2446** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **51.5215, 0.2769, 0.4385**, and the grayscale version is **23.3531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4610, 0.3551, 0.2560**, and **8.7901, 0.4108, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **20.2051, 0.4057, 0.2352**, and if you desaturate by 10%, it is **27.7691, 0.3694, 0.2570**.

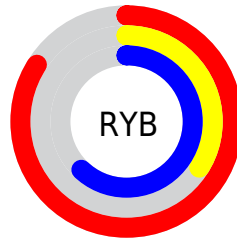
Distribution



Red (84%)

Green (34%)

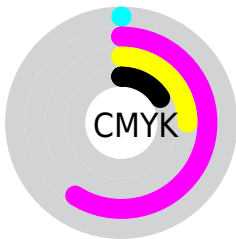
Blue (62%)



Red (84%)

Yellow (34%)

Blue (62%)

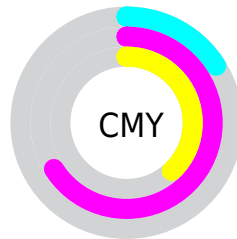


Cyan (0%)

Magenta (59%)

Yellow (25%)

Black (16%)



Cyan (16%)


Magenta (66%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4657, 0.3867, 0.2446 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 23.4657, 0.3867, 0.2446 by changing the saturation by 10% instead.

 23.4657, 0.3867,
0.2446


 23.4657, 0.3867,
0.2446


270.1080, 0.3472,
0.2885


 14.9378, 0.3974,
0.2332


 49.1569, 0.3717,
0.2609

 8.7757, 0.4117,
0.2183


 67.0889, 0.3663,
0.2669

 4.5952, 0.4316,
0.1982


 88.9244, 0.3618,
0.2720

 2.0118, 0.4610,
0.1697

 115.0478, 0.3579,
0.2763

 0.6143, 0.5111,
0.1226

145.8435, 0.3547,
0.2799

 0.0000, 0.6724,
0.0000

181.6958, 0.3518,

 0.0000, 0.0000,

0.2832

0.0000

222.9892, 0.3494,
0.2860

■ 23.4657, 0.3867,
0.2446

■ 23.4657, 0.3867,
0.2446

■ 20.2051, 0.4057,
0.2352

■ 27.7691, 0.3694,
0.2570

■ 17.8909, 0.4257,
0.2299

■ 33.1933, 0.3541,
0.2713

■ 16.4147, 0.4460,
0.2297

■ 39.8131, 0.3408,
0.2863

■ 15.5980, 0.4658,
0.2344

■ 47.6955, 0.3295,
0.3015

■ 15.5379, 0.4675,
0.2349

■ 56.9028, 0.3200,
0.3162

■ 67.4930, 0.3121,
0.3302

■ 79.5205, 0.3055,
0.3433

■ 91.4876, 0.3000,
0.3530

■ 92.0199, 0.2951,
0.3433

Harmonies

Analogous

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



23.4657, 0.2818, 0.2016



23.4657, 0.3867, 0.2446



23.4657, 0.4789, 0.3043

Triad

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



23.4657, 0.3867, 0.2446



23.4657, 0.4076, 0.5046



23.4657, 0.1459, 0.2348

Complementary

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



23.4657, 0.3867, 0.2446



51.5215, 0.2769, 0.4385

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.



23.4657, 0.1674, 0.3229



23.4657, 0.3867, 0.2446



23.4657, 0.3151, 0.5161

Square

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



23.4657, 0.3867, 0.2446



23.4657, 0.4818, 0.4431



23.4657, 0.2267, 0.4404



23.4657, 0.1579, 0.1912

Rectangle

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



23.4657, 0.3867, 0.2446



23.4657, 0.5095, 0.3489



23.4657, 0.2267, 0.4404



23.4657, 0.1491, 0.2590

Sweetspot

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



23.4669, 0.3867, 0.2446



72.9271, 0.3285, 0.3029



17.1585, 0.2418, 0.1586



14.8085, 0.3316, 0.2985



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.



23.4669, 0.3867, 0.2446



29.3412, 0.4108, 0.2333



21.8371, 0.4802, 0.3175



12.5385, 0.3203, 0.3158



9.5158, 0.4648, 0.2334



0.5904, 0.4333, 0.2160

Inverse Universe

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



23.4669, 0.3867, 0.2446



29.3412, 0.4108, 0.2333



53.8845, 0.2450, 0.3435



12.5385, 0.3203, 0.3158



9.5158, 0.4648, 0.2334



0.5904, 0.4333, 0.2160

Previews

White Background



This preview shows how the Yxy color 23.4657, 0.3867, 0.2446 looks on a white background.

Color Contrast Check

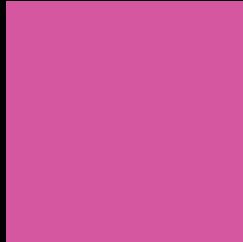
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4657, 0.3867, 0.2446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

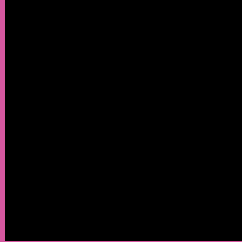
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4657, 0.3867, 0.2446

Background



This preview shows how black text looks on a background with the Yxy color 23.4657, 0.3867, 0.2446.



This preview shows how white text looks on a background with the Yxy color 23.4657, 0.3867, 0.2446.

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

23.4657, 0.3867, 0.2446

Protanopia

23.9090, 0.2442, 0.2362

Deuteranopia

23.6355, 0.2988, 0.2927



Tritanopia

23.3742, 0.4540, 0.3208

Trichromacy



Original Color

23.4657, 0.3867, 0.2446

Protanomaly

22.3248, 0.2857, 0.2350

Deuteranomaly

22.4005, 0.3278, 0.2675

Tritanomaly

23.3667, 0.4305, 0.2927

Monochromacy



Original Color

23.4657, 0.3867, 0.2446

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.1252, 0.3396, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4657, 0.3867, 0.2446 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(213, 87, 159)` looks like.

```
.text, #text, p{  
    color:rgb(213, 87, 159)  
}
```

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(213, 87, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 87, 159) }
```

Border

The CSS property to change the border of an element to Yxy 23.4657, 0.3867, 0.2446 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(213, 87, 159) }
```

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

```
.border{ border-color:rgb(213, 87, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 87, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 87, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 87, 159);  
box-shadow:4px 4px 4px 4px rgb(213, 87,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4657, 0.3867, 0.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 87, 159) }
```

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

```
.background{ background-color: rgb(213, 87,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor