

# Converting Colors

$Y_{xy}(24.4797, 0.3632, 0.2242)$

Have a look what the booklet for  
Yxy(24.4797, 0.3632, 0.2242)  
contains.

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**Color**

**Yxy(24.5092, 0.3631, 0.2237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D856B3
RGB	216, 86, 179
RGB Percent	85%, 34%, 70%
CMY	0.1529, 0.6627, 0.2981
CMYK	0.00, 0.60, 0.17, 0.15
HSL	317°, 63%, 59%
HSV	317°, 60%, 85%
XYZ	39.7823, 24.5092, 45.2714
YIQ	135.4720, 47.6270, 56.4830

# Conversions

## Conversions Part 2

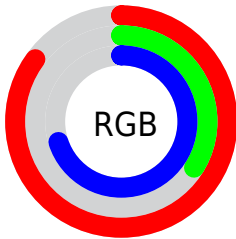
Format	Color
R <sub>Y</sub> B	216, 86, 179
Decimal	14177971
CIE Lab	56.59, 61.11, -24.11
CIE LCh	57, 65.693, 338.467
Yxy	24.5092, 0.3631, 0.2237
Android (android.graphics.Color)	4292368051 (0xFFD856B3)
YUV	135.4720, 21.4593, 70.6231
Hunter-Lab	49.5068, 56.8008, -19.5629

# Details

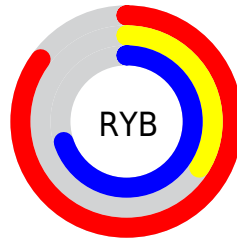
The Yxy color **24.5092, 0.3631, 0.2237** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **52.5229, 0.2862, 0.4702**, and the grayscale version is **24.3197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6042, 0.3352, 0.2370**, and **9.3118, 0.3776, 0.1939** is the 20% darker color. If you saturate the color by 10%, you get **21.3230, 0.3748, 0.2120**, and if you desaturate by 10%, it is **28.7508, 0.3521, 0.2387**.

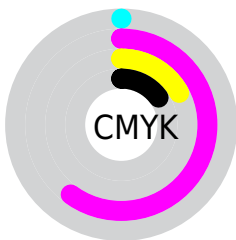
# Distribution



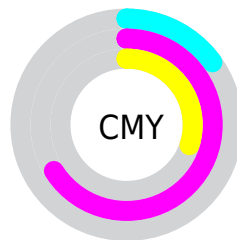
- Red (85%)
- Green (34%)
- Blue (70%)



- Red (85%)
- Yellow (34%)
- Blue (70%)



- Cyan (0%)
- Magenta (60%)
- Yellow (17%)
- Black (15%)



- Cyan (15%)
- Magenta (66%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5092, 0.3631, 0.2237 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 24.5092, 0.3631, 0.2237 by changing the saturation by 10% instead.





 24.5092, 0.3631,  
0.2237


 24.5092, 0.3631,  
0.2237


275.3848, 0.3378,  
0.2765


 15.7118, 0.3694,  
0.2106


 50.8599, 0.3539,  
0.2429

 9.3204, 0.3774,  
0.1940


 69.1819, 0.3505,  
0.2501

 4.9508, 0.3878,  
0.1723


 91.4476, 0.3475,  
0.2562

 2.2184, 0.4020,  
0.1431

 118.0414, 0.3450,  
0.2614

 0.7300, 0.4221,  
0.1018

149.3476, 0.3428,  
0.2660

 0.0000, 0.4715,  
0.0000

185.7506, 0.3409,

 0.0000, 0.5376,

0.2699

0.0000

227.6349, 0.3393,  
0.2734

0.0000, 0.0000,  
0.0000

24.5092, 0.3631,  
0.2237

24.5092, 0.3631,  
0.2237

21.3230, 0.3748,  
0.2120

28.7508, 0.3521,  
0.2387

19.0914, 0.3868,  
0.2044

34.1295, 0.3421,  
0.2558


17.6999, 0.3986,  
0.2017

40.7229, 0.3331,  
0.2741


16.9487, 0.4100,  
0.2032

48.6010, 0.3253,  
0.2928

57.8281, 0.3186,  
0.3111

 68.4645, 0.3128,  
0.3287

 80.5667, 0.3080,  
0.3453

 91.7316, 0.3040,  
0.3570

 92.0798, 0.3006,  
0.3504

# Harmonies

## Analogous

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



24.5092, 0.2529, 0.1841



24.5092, 0.3631, 0.2237



24.5092, 0.4743, 0.2833

# Triad

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



24.5092, 0.3631, 0.2237



24.5092, 0.4355, 0.5035



24.5092, 0.1354, 0.2441

# Complementary

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



24.5092, 0.3631, 0.2237



52.5229, 0.2862, 0.4702

# 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.



24.5092, 0.1668, 0.3528



24.5092, 0.3631, 0.2237



24.5092, 0.3381, 0.5414

# Square

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



24.5092, 0.3631, 0.2237



24.5092, 0.5089, 0.4285



24.5092, 0.2395, 0.4835



24.5092, 0.1400, 0.1874



# Rectangle

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



24.5092, 0.3631, 0.2237



24.5092, 0.5199, 0.3291



24.5092, 0.2395, 0.4835



24.5092, 0.1415, 0.2745

# Sweetspot

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



24.5104, 0.3631, 0.2237



73.3165, 0.3239, 0.2965



15.8144, 0.2242, 0.1486



14.9039, 0.3260, 0.2911



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.



24.5104, 0.3631, 0.2237



30.1155, 0.3777, 0.2096



22.4754, 0.4586, 0.2971



12.5696, 0.3181, 0.3125



10.0510, 0.4083, 0.2023



0.6201, 0.3898, 0.1921



# Inverse Universe

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



24.5104, 0.3631, 0.2237



30.1155, 0.3777, 0.2096



54.7159, 0.2527, 0.3691



12.5696, 0.3181, 0.3125



10.0510, 0.4083, 0.2023



0.6201, 0.3898, 0.1921



# Previews

## White Background



This preview shows how the Yxy color 24.5092, 0.3631, 0.2237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

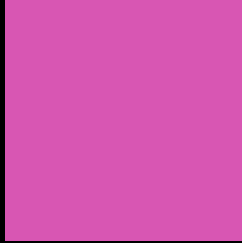
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.5092, 0.3631, 0.2237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

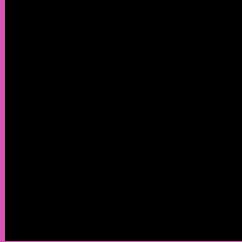
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.5092, 0.3631, 0.2237**

## Background



This preview shows how black text looks on a background with the Yxy color 24.5092, 0.3631, 0.2237.

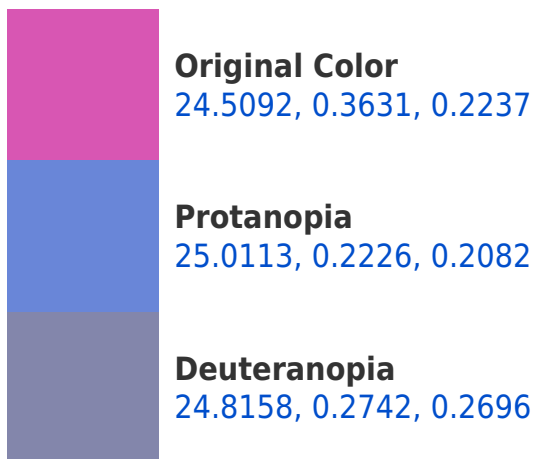


This preview shows how white text looks on a background with the Yxy color 24.5092, 0.3631, 0.2237.

# 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





## Tritanopia

24.3816, 0.4468, 0.3208

# Trichromacy



## Original Color

24.5092, 0.3631, 0.2237



## Protanomaly

23.0541, 0.2589, 0.2071



## Deuteranomaly

23.4600, 0.3029, 0.2459



## Tritanomaly

24.2957, 0.4171, 0.2831

# Monochromacy



## Original Color

24.5092, 0.3631, 0.2237



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

22.8495, 0.3310, 0.2774

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.5092, 0.3631, 0.2237 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(216, 86, 179)` looks like.

```
.text, #text, p{  
    color:rgb(216, 86, 179)  
}
```

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(216, 86, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 86, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5092, 0.3631, 0.2237 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(216, 86, 179) }
```

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

```
.border{ border-color:rgb(216, 86, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 86, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 86, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 86, 179);  
box-shadow:4px 4px 4px 4px rgb(216, 86,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.5092, 0.3631, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 86, 179) }
```

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

```
.background{ background-color: rgb(216, 86,  
179) }
```

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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