

Converting Colors

$Y_{xy}(24.9937, 0.3718, 0.2289)$

Have a look what the booklet for
Yxy(24.9937, 0.3718, 0.2289)
contains.

Yxy(25.0058, 0.3717, 0.2285)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.0058, 0.3717, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	DC56B0
RGB	220, 86, 176
RGB Percent	86%, 34%, 69%
CMY	0.1373, 0.6627, 0.3098
CMYK	0.00, 0.61, 0.20, 0.14
HSL	320°, 66%, 60%
HSV	320°, 61%, 86%
XYZ	40.6768, 25.0058, 43.7519
YIQ	136.3260, 50.9740, 56.3980

Conversions

Conversions Part 2

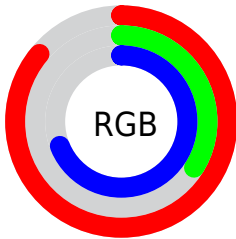
Format	Color
R _Y B	220, 86, 176
Decimal	14440112
CIE Lab	57.08, 61.79, -21.58
CIE LCh	57, 65.452, 340.746
Yxy	25.0058, 0.3717, 0.2285
Android (android.graphics.Color)	4292630192 (0xFFDC56B0)
YUV	136.3260, 19.5593, 73.3821
Hunter-Lab	50.0058, 57.6893, -16.8710

Details

The Yxy color **25.0058, 0.3717, 0.2285** 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 **54.7738, 0.2832, 0.4635**, and the grayscale version is **24.6623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4322, 0.3379, 0.2396**, and **9.6118, 0.3906, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **21.7391, 0.3856, 0.2178**, and if you desaturate by 10%, it is **29.3710, 0.3587, 0.2425**.

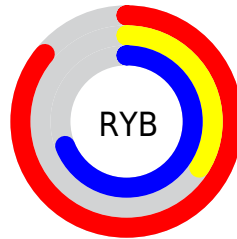
Distribution



Red (86%)

Green (34%)

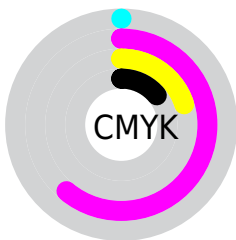
Blue (69%)



Red (86%)

Yellow (34%)

Blue (69%)

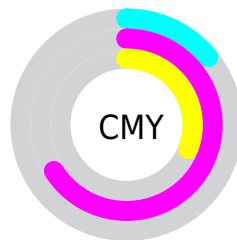


Cyan (0%)

Magenta (61%)

Yellow (20%)

Black (14%)



Cyan (14%)


Magenta (66%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0058, 0.3717, 0.2285 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 25.0058, 0.3717, 0.2285 by changing the saturation by 10% instead.


 25.0058, 0.3717,
0.2285


 25.0058, 0.3717,
0.2285


277.8668, 0.3415,
0.2791


 16.0814, 0.3794,
0.2159


 51.6666, 0.3606,
0.2469

 9.5818, 0.3893,
0.1999


 70.1718, 0.3565,
0.2538

 5.1225, 0.4025,
0.1789


 92.6394, 0.3530,
0.2596

 2.3193, 0.4209,
0.1504

 119.4538, 0.3501,
0.2646

 0.7839, 0.4480,
0.1101

150.9993, 0.3475,
0.2690

 0.0000, 0.5175,
0.0000

187.6604, 0.3453,

 0.0000, 1.0000,

0.2728

0.0000

229.8214, 0.3433,
0.2761

■ 0.0000, 0.0000,
0.0000

■ 25.0058, 0.3717,
0.2285

■ 25.0058, 0.3717,
0.2285

■ 21.7391, 0.3856,
0.2178

■ 29.3710, 0.3587,
0.2425

■ 19.4640, 0.3999,
0.2114

■ 34.9210, 0.3470,
0.2587

■ 18.0591, 0.4142,
0.2100

■ 41.7377, 0.3366,
0.2760

■ 17.3443, 0.4269,
0.2125

■ 49.8947, 0.3275,
0.2936

■ 59.4598, 0.3198,
0.3109

70.4964, 0.3133,
0.3276

83.0639, 0.3078,
0.3432

92.6630, 0.3033,
0.3509

93.0864, 0.2993,
0.3433

Harmonies

Analogous

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



25.0058, 0.2607, 0.1873



25.0058, 0.3717, 0.2285



25.0058, 0.4794, 0.2889

Triad

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



25.0058, 0.3717, 0.2285



25.0058, 0.4281, 0.5071



25.0058, 0.1359, 0.2391

Complementary

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



25.0058, 0.3717, 0.2285



54.7738, 0.2832, 0.4635

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.



25.0058, 0.1643, 0.3429



25.0058, 0.3717, 0.2285



25.0058, 0.3306, 0.5386

Square

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



25.0058, 0.3717, 0.2285



25.0058, 0.5034, 0.4341



25.0058, 0.2336, 0.4732



25.0058, 0.1430, 0.1861

Rectangle

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



25.0058, 0.3717, 0.2285



25.0058, 0.5209, 0.3347



25.0058, 0.2336, 0.4732



25.0058, 0.1411, 0.2678

Sweetspot

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



25.0070, 0.3717, 0.2285



73.1968, 0.3253, 0.2984



16.4489, 0.2267, 0.1479



14.8746, 0.3277, 0.2933



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.



25.0070, 0.3717, 0.2285



29.3867, 0.3894, 0.2156



23.0113, 0.4685, 0.3021



13.1983, 0.3188, 0.3134



10.2014, 0.4249, 0.2114



0.6765, 0.4037, 0.1998

Inverse Universe

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



25.0070, 0.3717, 0.2285



29.3867, 0.3894, 0.2156



57.1212, 0.2500, 0.3632



13.1983, 0.3188, 0.3134



10.2014, 0.4249, 0.2114



0.6765, 0.4037, 0.1998

Previews

White Background



This preview shows how the Yxy color 25.0058, 0.3717, 0.2285 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 25.0058, 0.3717, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

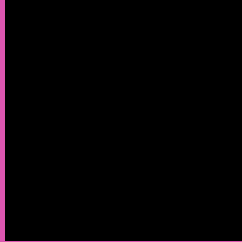
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0058, 0.3717, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 25.0058, 0.3717, 0.2285.



This preview shows how white text looks on a background with the Yxy color 25.0058, 0.3717, 0.2285.

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

25.0058, 0.3717, 0.2285

Protanopia

25.3833, 0.2271, 0.2137

Deuteranopia

25.3060, 0.2808, 0.2763



Tritanopia

24.9247, 0.4530, 0.3199

Trichromacy



Original Color

25.0058, 0.3717, 0.2285



Protanomaly

23.2823, 0.2651, 0.2115



Deuteranomaly

23.7698, 0.3106, 0.2508



Tritanomaly

24.6859, 0.4237, 0.2842

Monochromacy



Original Color

25.0058, 0.3717, 0.2285



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.4067, 0.3344, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0058, 0.3717, 0.2285 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(220, 86, 176)` looks like.

```
.text, #text, p{  
    color:rgb(220, 86, 176)  
}
```

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(220, 86, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 86, 176) }
```

Border

The CSS property to change the border of an element to Yxy 25.0058, 0.3717, 0.2285 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(220, 86, 176) }
```

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

```
.border{ border-color:rgb(220, 86, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 86, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 86, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 86, 176);  
box-shadow:4px 4px 4px 4px rgb(220, 86,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0058, 0.3717, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 86, 176) }
```

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

```
.background{ background-color: rgb(220, 86,  
176) }
```

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