

Converting Colors

$Y_{xy}(23.3632, 0.3965, 0.2572)$

Have a look what the booklet for
Yxy(23.3632, 0.3965, 0.2572)
contains.

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Color

Yxy(23.3632, 0.3965, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	D35A96
RGB	211, 90, 150
RGB Percent	83%, 35%, 59%
CMY	0.1727, 0.6469, 0.4118
CMYK	0.00, 0.57, 0.29, 0.17
HSL	330°, 58%, 59%
HSV	330°, 57%, 83%
XYZ	36.0168, 23.3632, 31.4568
YIQ	133.0190, 52.8560, 44.3120

Conversions

Conversions Part 2

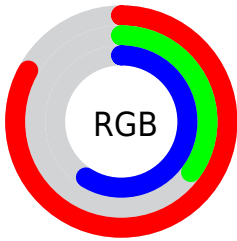
Format	Color
R _Y B	211, 90, 150
Decimal	13851286
CIE Lab	55.44, 53.87, -9.03
CIE LCh	55, 54.622, 350.479
Yxy	23.3632, 0.3965, 0.2572
Android (android.graphics.Color)	4292041366 (0xFFD35A96)
YUV	133.0190, 8.3716, 68.3893
Hunter-Lab	48.3355, 48.4205, -4.7511

Details

The Yxy color **23.3632, 0.3965, 0.2572** 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 **50.9830, 0.2725, 0.4197**, and the grayscale version is **23.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8704, 0.3645, 0.2685**, and **8.7062, 0.4269, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **19.9673, 0.4194, 0.2488**, and if you desaturate by 10%, it is **27.8025, 0.3760, 0.2683**.

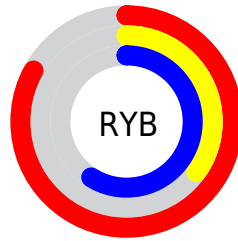
Distribution



Red (83%)

Green (35%)

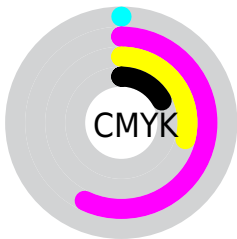
Blue (59%)



Red (83%)

Yellow (35%)

Blue (59%)

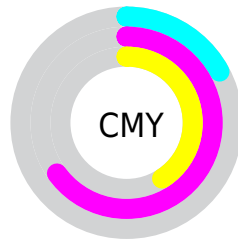


Cyan (0%)

Magenta (57%)

Yellow (29%)

Black (17%)



Cyan (17%)


Magenta (65%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3632, 0.3965, 0.2572 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 23.3632, 0.3965, 0.2572 by changing the saturation by 10% instead.


 23.3632, 0.3965,
0.2572


 23.3632, 0.3965,
0.2572


269.5850, 0.3510,
0.2952


 14.8619, 0.4092,
0.2470


 48.9890, 0.3790,
0.2715


 8.7225, 0.4263,
0.2336


 66.8823, 0.3727,
0.2768

 4.5606, 0.4505,
0.2150


 88.6751, 0.3675,
0.2811

 1.9919, 0.4873,
0.1879

 114.7518, 0.3632,
0.2848

 0.6027, 0.5525,
0.1399

145.4967, 0.3594,
0.2880

 0.0000, 0.9101,
0.0000

181.2943, 0.3562,

 0.0000, 0.0000,

0.2907

0.0000

222.5289, 0.3534,
0.2931

■ 23.3632, 0.3965,
0.2572

■ 23.3632, 0.3965,
0.2572

■ 19.9673, 0.4194,
0.2488

■ 27.8025, 0.3760,
0.2683

■ 17.5224, 0.4439,
0.2443

■ 33.3600, 0.3581,
0.2810

■ 15.9259, 0.4690,
0.2448

■ 40.1078, 0.3428,
0.2942

■ 15.0372, 0.4932,
0.2506

■ 48.1108, 0.3300,
0.3074

■ 14.8551, 0.4997,
0.2526

■ 57.4294, 0.3193,
0.3201

■ 68.1197, 0.3105,
0.3321

■ 80.2348, 0.3032,
0.3433

■ 91.3678, 0.2972,
0.3498

■ 92.0017, 0.2915,
0.3385

Harmonies

Analogous

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



23.3632, 0.2976, 0.2131



23.3632, 0.3965, 0.2572



23.3632, 0.4764, 0.3161

Triad

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



23.3632, 0.3965, 0.2572



23.3632, 0.3918, 0.4995



23.3632, 0.1545, 0.2328

Complementary

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



23.3632, 0.3965, 0.2572



50.9830, 0.2725, 0.4197

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.



23.3632, 0.1706, 0.3097



23.3632, 0.3965, 0.2572



23.3632, 0.3035, 0.4965

Square

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



23.3632, 0.3965, 0.2572



23.3632, 0.4647, 0.4483



23.3632, 0.2224, 0.4166



23.3632, 0.1704, 0.1960

Rectangle

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



23.3632, 0.3965, 0.2572



23.3632, 0.4993, 0.3594



23.3632, 0.2224, 0.4166



23.3632, 0.1561, 0.2537

Sweetspot

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



23.3644, 0.3965, 0.2572



74.0632, 0.3298, 0.3076



18.5524, 0.2545, 0.1681



15.2828, 0.3323, 0.3049



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.



23.3644, 0.3965, 0.2572



29.6220, 0.4252, 0.2473



21.9019, 0.4869, 0.3295



11.9046, 0.3214, 0.3175



8.9889, 0.4963, 0.2508



0.5186, 0.4556, 0.2283

Inverse Universe

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



23.3644, 0.3965, 0.2572



29.6220, 0.4252, 0.2473



53.4493, 0.2415, 0.3288



11.9046, 0.3214, 0.3175



8.9889, 0.4963, 0.2508



0.5186, 0.4556, 0.2283

Previews

White Background



This preview shows how the Yxy color 23.3632, 0.3965, 0.2572 looks on a white background.

Color Contrast Check

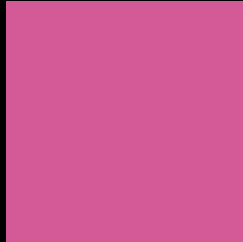
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3632, 0.3965, 0.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

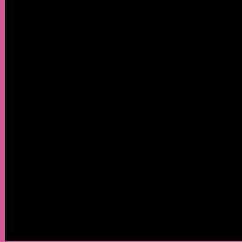
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3632, 0.3965, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 23.3632, 0.3965, 0.2572.



This preview shows how white text looks on a background with the Yxy color 23.3632, 0.3965, 0.2572.

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

23.3632, 0.3965, 0.2572

Protanopia

23.7100, 0.2579, 0.2545

Deuteranopia

23.3769, 0.3104, 0.3040



Tritanopia

23.2297, 0.4529, 0.3208

Trichromacy



Original Color

23.3632, 0.3965, 0.2572

Protanomaly

22.3220, 0.2990, 0.2513

Deuteranomaly

22.4438, 0.3398, 0.2820

Tritanomaly

23.1808, 0.4322, 0.2972

Monochromacy



Original Color

23.3632, 0.3965, 0.2572

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.1637, 0.3419, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3632, 0.3965, 0.2572 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(211, 90, 150)` looks like.

```
.text, #text, p{  
    color:rgb(211, 90, 150)  
}
```

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(211, 90, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 90, 150) }
```

Border

The CSS property to change the border of an element to Yxy 23.3632, 0.3965, 0.2572 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(211, 90, 150) }
```

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

```
.border{ border-color:rgb(211, 90, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 90, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 90, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 90, 150);  
box-shadow:4px 4px 4px 4px rgb(211, 90,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3632, 0.3965, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 90, 150) }
```

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

```
.background{ background-color: rgb(211, 90,  
150) }
```

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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