

Converting Colors

Yxy(23.6344, 0.4132, 0.2180)

Have a look what the booklet for
Yxy(23.6344, 0.4132, 0.2180)
contains.

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Color

Yxy(23.6563, 0.4122, 0.2176)

Conversions

Conversions Part 1

Format	Color
Hex	F22DAA
RGB	242, 45, 170
RGB Percent	95%, 18%, 67%
CMY	0.0510, 0.8235, 0.3332
CMYK	0.00, 0.81, 0.30, 0.05
HSL	322°, 88%, 56%
HSV	322°, 81%, 95%
XYZ	44.8122, 23.6563, 40.2462
YIQ	118.1530, 77.2870, 80.6390

Conversions

Conversions Part 2

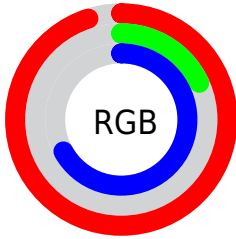
Format	Color
R _Y B	242, 45, 170
Decimal	15871402
CIE Lab	55.74, 79.92, -19.84
CIE LCh	56, 82.348, 346.059
Yxy	23.6563, 0.4122, 0.2176
Android (android.graphics.Color)	4294061482 (0xFFFF22DAA)
YUV	118.1530, 25.5606, 108.6138
Hunter-Lab	48.6377, 79.3441, -15.0141

Details

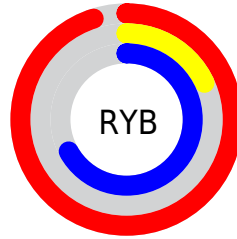
The Yxy color **23.6563, 0.4122, 0.2176** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **65.3430, 0.2796, 0.5068**, and the grayscale version is **18.0711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7309, 0.3475, 0.2212**, and **11.1318, 0.4329, 0.2159** is the 20% darker color. If you saturate the color by 10%, you get **21.9855, 0.4287, 0.2175**, and if you desaturate by 10%, it is **26.4086, 0.3956, 0.2229**.

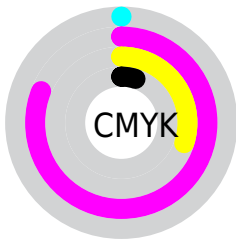
Distribution



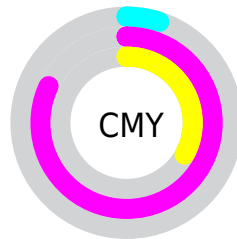
- Red (95%)
- Green (18%)
- Blue (67%)



- Red (95%)
- Yellow (18%)
- Blue (67%)



- Cyan (0%)
- Magenta (81%)
- Yellow (30%)
- Black (5%)




- Cyan (5%)
- Magenta (82%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6563, 0.4122, 0.2176 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 23.6563, 0.4122, 0.2176 by changing the saturation by 10% instead.

 23.6563, 0.4122,
0.2176


 23.6563, 0.4122,
0.2176


271.0782, 0.3602,
0.2736

 15.0789, 0.4258,
0.2038


 49.4687, 0.3928,
0.2379

 8.8748, 0.4435,
0.1862

 67.4725, 0.3857,
0.2456

 4.6596, 0.4676,
0.1633


 89.3873, 0.3797,
0.2520

 2.0489, 0.5016,
0.1328

 115.5973, 0.3746,
0.2576

 0.6357, 0.5544,
0.0885

 146.4870, 0.3703,
0.2624

 0.0000, 0.6593,
0.0000

182.4408, 0.3665,

 0.0000, 1.0000,

0.2666

0.0000

223.8430, 0.3631,
0.2703

■ 0.0000, 0.0000,
0.0000

■ 23.6563, 0.4122,
0.2176

■ 23.6563, 0.4122,
0.2176

■ 21.9855, 0.4287,
0.2175

■ 26.4086, 0.3956,
0.2229


■ 21.1951, 0.4425,
0.2211


■ 30.3967, 0.3797,
0.2326


■ 35.7537, 0.3648,
0.2458

■ 42.5944, 0.3514,
0.2611

■ 51.0215, 0.3397,
0.2776

 61.1283, 0.3295,
0.2945

 73.0011, 0.3209,
0.3110

 86.7201, 0.3136,
0.3269

 97.2733, 0.3078,
0.3343

Harmonies

Analogous

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



23.6563, 0.2676, 0.1664



23.6563, 0.4122, 0.2176



23.6563, 0.5420, 0.2878

Triad

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



23.6563, 0.4122, 0.2176



23.6563, 0.4182, 0.5536



23.6563, 0.1022, 0.1984

Complementary

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



23.6563, 0.4122, 0.2176



65.3430, 0.2796, 0.5068

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.



23.6563, 0.1224, 0.3125



23.6563, 0.4122, 0.2176



23.6563, 0.3003, 0.5983

Square

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



23.6563, 0.4122, 0.2176



23.6563, 0.5221, 0.4559



23.6563, 0.1907, 0.4921



23.6563, 0.1174, 0.1507

Rectangle

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



23.6563, 0.4122, 0.2176



23.6563, 0.5781, 0.3389



23.6563, 0.1907, 0.4921



23.6563, 0.1045, 0.2275

Sweetspot

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



23.6576, 0.4122, 0.2176



65.6172, 0.3321, 0.2900



11.8634, 0.1979, 0.0982



13.1664, 0.3357, 0.2840



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.



23.6576, 0.4122, 0.2176



24.0399, 0.4397, 0.2204



21.2565, 0.5649, 0.3094



15.9277, 0.3194, 0.3141



11.4140, 0.4399, 0.2197



0.9686, 0.4201, 0.2088

Inverse Universe

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



23.6576, 0.4122, 0.2176



24.0399, 0.4397, 0.2204



68.8350, 0.2393, 0.3679



15.9277, 0.3194, 0.3141



11.4140, 0.4399, 0.2197



0.9686, 0.4201, 0.2088

Previews

White Background



This preview shows how the Yxy color 23.6563, 0.4122, 0.2176 looks on a white background.

Color Contrast Check

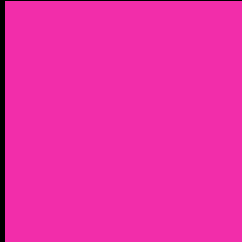
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6563, 0.4122, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

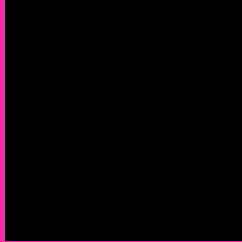
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6563, 0.4122, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 23.6563, 0.4122, 0.2176.

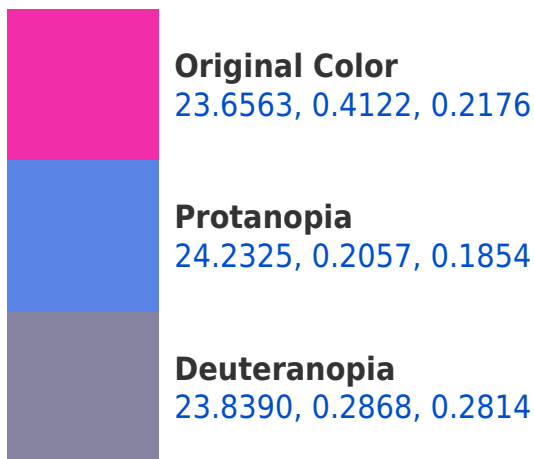


This preview shows how white text looks on a background with the Yxy color 23.6563, 0.4122, 0.2176.

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

23.5640, 0.5313, 0.3260

Trichromacy



Original Color

23.6563, 0.4122, 0.2176



Protanomaly

19.7375, 0.2519, 0.1792



Deuteranomaly

20.6789, 0.3283, 0.2383



Tritanomaly

23.1500, 0.4939, 0.2849

Monochromacy



Original Color

23.6563, 0.4122, 0.2176



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.0748, 0.3531, 0.2581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6563, 0.4122, 0.2176 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(242, 45, 170)` looks like.

```
.text, #text, p{  
    color:rgb(242, 45, 170)  
}
```

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(242, 45, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 45, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.6563, 0.4122, 0.2176 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(242, 45, 170) }
```

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

```
.border{ border-color:rgb(242, 45, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 45, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 45, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 45, 170);  
box-shadow:4px 4px 4px 4px rgb(242, 45,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6563, 0.4122, 0.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 45, 170) }
```

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

```
.background{ background-color: rgb(242, 45,  
170) }
```

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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