

Converting Colors

$Y_{xy}(23.6687, 0.4252, 0.2164)$

Have a look what the booklet for
Yxy(23.6687, 0.4252, 0.2164)
contains.

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Color

Yxy(23.6622, 0.4252, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	F919A8
RGB	249, 25, 168
RGB Percent	98%, 10%, 66%
CMY	0.0237, 0.9012, 0.3412
CMYK	0.00, 0.90, 0.33, 0.02
HSL	322°, 95%, 54%
HSV	322°, 90%, 98%
XYZ	46.4719, 23.6622, 39.1601
YIQ	108.2780, 87.6010, 91.9610

Conversions

Conversions Part 2

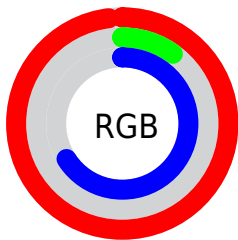
Format	Color
RYB	249, 25, 168
Decimal	16325032
CIELab	55.75, 84.64, -18.53
CIElCh	56, 86.647, 347.654
Yxy	23.6622, 0.4252, 0.2165
Android (android.graphics.Color)	4294515112 (0xFFFF919A8)
YUV	108.2780, 29.4429, 123.4132
Hunter-Lab	48.6438, 85.4035, -13.6800

Details

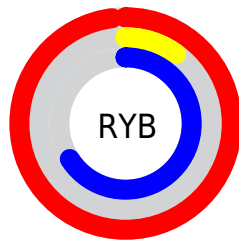
The Yxy color **23.6622, 0.4252, 0.2165** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **68.9814, 0.2817, 0.5269**, and the grayscale version is **15.0064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8958, 0.3504, 0.2165**, and **11.8257, 0.4459, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **22.6420, 0.4411, 0.2204**, and if you desaturate by 10%, it is **25.5966, 0.4089, 0.2174**.

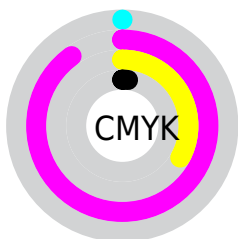
Distribution



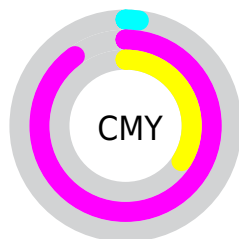
- Red (98%)
- Green (10%)
- Blue (66%)



- Red (98%)
- Yellow (10%)
- Blue (66%)



- Cyan (0%)
- Magenta (90%)
- Yellow (33%)
- Black (2%)





- Cyan (2%)
- Magenta (90%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6622, 0.4252, 0.2165 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 23.6622, 0.4252, 0.2165 by changing the saturation by 10% instead.


 23.6622, 0.4252,
0.2165


 23.6622, 0.4252,
0.2165


271.1082, 0.3661,
0.2732


 15.0832, 0.4407,
0.2025


 49.4784, 0.4031,
0.2370

 8.8778, 0.4610,
0.1847


 67.4844, 0.3950,
0.2448


 4.6616, 0.4884,
0.1617


 89.4016, 0.3882,
0.2513

 2.0501, 0.5274,
0.1309

 115.6142, 0.3825,
0.2569

 0.6363, 0.5876,
0.0866

 146.5069, 0.3775,
0.2618

 0.0000, 0.7063,
0.0000

182.4638, 0.3732,

 0.0000, 1.0000,

0.2661

0.0000

223.8694, 0.3695,
0.2698

■ 0.0000, 0.0000,
0.0000

■ 23.6622, 0.4252,
0.2165

■ 23.6622, 0.4252,
0.2165

■ 22.6420, 0.4411,
0.2204

■ 25.5966, 0.4089,
0.2174

■ 22.6317, 0.4413,
0.2205

■ 28.7095, 0.3925,
0.2234

■ 33.1667, 0.3768,
0.2338

■ 39.1064, 0.3623,
0.2474

■ 46.6496, 0.3493,
0.2631

■ 55.9045, 0.3379,
0.2798

■ 66.9702, 0.3280,
0.2968

■ 79.9377, 0.3197,
0.3134

■ 94.8923, 0.3126,
0.3292

Harmonies

Analogous

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



23.6622, 0.2721, 0.1628



23.6622, 0.4252, 0.2165



23.6622, 0.5579, 0.2886

Triad

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



23.6622, 0.4252, 0.2165



23.6622, 0.4118, 0.5655



23.6622, 0.0955, 0.1882

Complementary

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



23.6622, 0.4252, 0.2165



68.9814, 0.2817, 0.5269

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.



23.6622, 0.1129, 0.3017



23.6622, 0.4252, 0.2165



23.6622, 0.2899, 0.6119

Square

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



23.6622, 0.4252, 0.2165



23.6622, 0.5226, 0.4618



23.6622, 0.1791, 0.4918



23.6622, 0.1129, 0.1430

Rectangle

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



23.6622, 0.4252, 0.2165



23.6622, 0.5902, 0.3404



23.6622, 0.1791, 0.4918



23.6622, 0.0970, 0.2166

Sweetspot

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



23.6635, 0.4252, 0.2165



62.1591, 0.3349, 0.2847



10.4552, 0.1864, 0.0844



12.5048, 0.3385, 0.2789



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.



23.6635, 0.4252, 0.2165



23.8946, 0.4415, 0.2206



21.1499, 0.5962, 0.3138



17.4117, 0.3194, 0.3140



12.1467, 0.4388, 0.2191



1.1453, 0.4210, 0.2093

Inverse Universe

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



23.6635, 0.4252, 0.2165



23.8946, 0.4415, 0.2206



72.8641, 0.2382, 0.3725



17.4117, 0.3194, 0.3140



12.1467, 0.4388, 0.2191



1.1453, 0.4210, 0.2093

Previews

White Background



This preview shows how the Yxy color 23.6622, 0.4252, 0.2165 looks on a white background.

Color Contrast Check

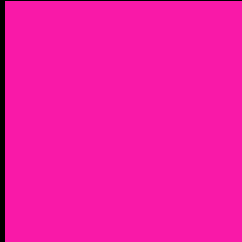
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6622, 0.4252, 0.2165 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 23.6622, 0.4252, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 23.6622, 0.4252, 0.2165.



This preview shows how white text looks on a background with the Yxy color 23.6622, 0.4252, 0.2165.

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

23.6622, 0.4252, 0.2165

Protanopia

24.2783, 0.2014, 0.1801

Deuteranopia

23.9012, 0.2917, 0.2863



Tritanopia

23.6014, 0.5536, 0.3273

Trichromacy



Original Color

23.6622, 0.4252, 0.2165



Protanomaly

18.6019, 0.2486, 0.1683



Deuteranomaly

19.7490, 0.3380, 0.2344



Tritanomaly

23.0202, 0.5149, 0.2850

Monochromacy



Original Color

23.6622, 0.4252, 0.2165



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.4314, 0.3612, 0.2476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6622, 0.4252, 0.2165 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(249, 25, 168)` looks like.

```
.text, #text, p{  
    color:rgb(249, 25, 168)  
}
```

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(249, 25, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 25, 168) }
```

Border

The CSS property to change the border of an element to Yxy 23.6622, 0.4252, 0.2165 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(249, 25, 168) }
```

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

```
.border{ border-color:rgb(249, 25, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 25, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 25, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 25, 168);  
box-shadow:4px 4px 4px 4px rgb(249, 25,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6622, 0.4252, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 25, 168) }
```

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

```
.background{ background-color: rgb(249, 25,  
168) }
```

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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