

Converting Colors

$Y_{xy}(22.6236, 0.4232, 0.2364)$

Have a look what the booklet for
Yxy(22.6236, 0.4232, 0.2364)
contains.

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Color

Yxy(22.5205, 0.4235, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	E73C99
RGB	231, 60, 153
RGB Percent	91%, 24%, 60%
CMY	0.0943, 0.7644, 0.4001
CMYK	0.00, 0.74, 0.34, 0.09
HSL	327°, 78%, 57%
HSV	327°, 74%, 91%
XYZ	40.3104, 22.5205, 32.3530
YIQ	121.7310, 72.0630, 65.1750

Conversions

Conversions Part 2

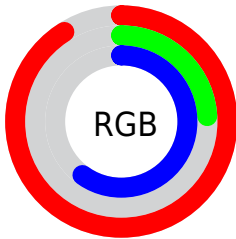
Format	Color
R_{YB}	231, 60, 153
Decimal	15154329
CIE _{Lab}	54.57, 71.46, -11.78
CIE _{LCh}	55, 72.423, 350.640
Yxy	22.5205, 0.4235, 0.2366
Android (android.graphics.Color)	4293344409 (0xFFE73C99)
YUV	121.7310, 15.4156, 95.8289
Hunter-Lab	47.4558, 68.5757, -7.2019

Details

The Yxy color **22.5205, 0.4235, 0.2366** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **59.9298, 0.2721, 0.4655**, and the grayscale version is **19.3118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6841, 0.3655, 0.2439**, and **9.5054, 0.4530, 0.2269** is the 20% darker color. If you saturate the color by 10%, you get **20.2709, 0.4456, 0.2345**, and if you desaturate by 10%, it is **25.8587, 0.4021, 0.2435**.

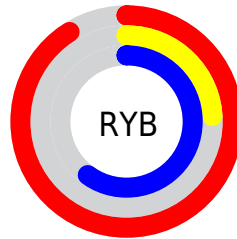
Distribution



Red (91%)

Green (24%)

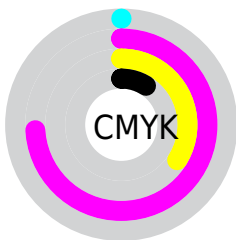
Blue (60%)



Red (91%)

Yellow (24%)

Blue (60%)

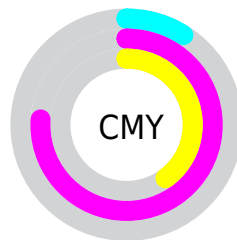


Cyan (0%)

Magenta (74%)

Yellow (34%)

Black (9%)



Cyan (9%)


Magenta (76%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5205, 0.4235, 0.2366 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 22.5205, 0.4235, 0.2366 by changing the saturation by 10% instead.


 22.5205, 0.4235,
0.2366


 22.5205, 0.4235,
0.2366


265.2525, 0.3636,
0.2849


 14.2399, 0.4399,
0.2240


 47.6048, 0.4006,
0.2546

 8.2877, 0.4619,
0.2076


 65.1772, 0.3924,
0.2612

 4.2796, 0.4926,
0.1854


 86.6157, 0.3855,
0.2668

 1.8311, 0.5380,
0.1543

 112.3046, 0.3798,
0.2715

 0.5065, 0.6165,
0.1000

 142.6283, 0.3748,
0.2755

 0.0000, 0.8779,
0.0000

177.9713, 0.3706,

 0.0000, 1.0000,

0.2791

0.0000

218.7179, 0.3669,
0.2822

■ 0.0000, 0.0000,
0.0000

■ 22.5205, 0.4235,
0.2366

■ 22.5205, 0.4235,
0.2366

■ 20.2709, 0.4456,
0.2345

■ 25.8587, 0.4021,
0.2435

■ 18.9569, 0.4674,
0.2378

■ 30.4046, 0.3824,
0.2540


■ 18.4778, 0.4802,
0.2419


■ 36.2654, 0.3647,
0.2669


■ 43.5356, 0.3493,
0.2810

■ 52.3007, 0.3362,
0.2956

 62.6394, 0.3251,
0.3100

 74.6250, 0.3159,
0.3237

 88.3260, 0.3083,
0.3367

 95.2696, 0.3021,
0.3361

Harmonies

Analogous

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



22.5205, 0.2909, 0.1844



22.5205, 0.4235, 0.2366



22.5205, 0.5306, 0.3053

Triad

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



22.5205, 0.4235, 0.2366



22.5205, 0.4003, 0.5478



22.5205, 0.1170, 0.2011

Complementary

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



22.5205, 0.4235, 0.2366



59.9298, 0.2721, 0.4655

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.



22.5205, 0.1322, 0.2964



22.5205, 0.4235, 0.2366



22.5205, 0.2902, 0.5621

Square

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



22.5205, 0.4235, 0.2366



22.5205, 0.4973, 0.4669



22.5205, 0.1911, 0.4488



22.5205, 0.1362, 0.1613

Rectangle

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



22.5205, 0.4235, 0.2366



22.5205, 0.5558, 0.3553



22.5205, 0.1911, 0.4488



22.5205, 0.1180, 0.2256

Sweetspot

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



22.5217, 0.4235, 0.2366



67.7404, 0.3340, 0.2983



14.3234, 0.2240, 0.1218



13.7965, 0.3372, 0.2943



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.



22.5217, 0.4235, 0.2366



24.3416, 0.4577, 0.2357



20.6473, 0.5571, 0.3229



14.4984, 0.3208, 0.3163



10.3882, 0.4770, 0.2401



0.7864, 0.4479, 0.2241

Inverse Universe

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



22.5217, 0.4235, 0.2366



24.3416, 0.4577, 0.2357



63.3896, 0.2343, 0.3401



14.4984, 0.3208, 0.3163



10.3882, 0.4770, 0.2401



0.7864, 0.4479, 0.2241

Previews

White Background



This preview shows how the Yxy color 22.5205, 0.4235, 0.2366 looks on a white background.

Color Contrast Check

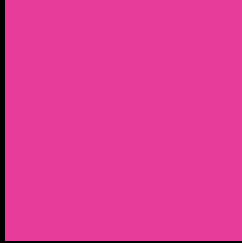
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5205, 0.4235, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

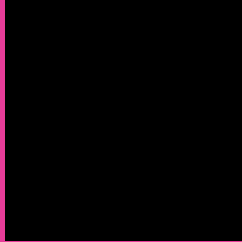
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5205, 0.4235, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 22.5205, 0.4235, 0.2366.



This preview shows how white text looks on a background with the Yxy color 22.5205, 0.4235, 0.2366.

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

22.5205, 0.4235, 0.2366

Protanopia

22.9348, 0.2308, 0.2185

Deuteranopia

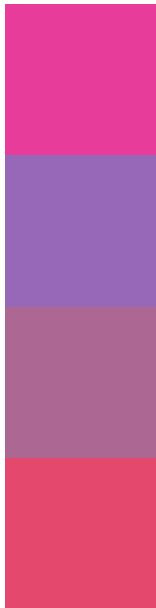
22.5956, 0.3071, 0.3004



Tritanopia

22.5462, 0.5176, 0.3257

Trichromacy



Original Color

22.5205, 0.4235, 0.2366

Protanomaly

19.8988, 0.2811, 0.2130

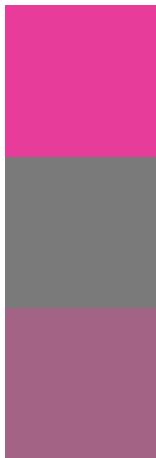
Deuteranomaly

20.5777, 0.3485, 0.2643

Tritanomaly

22.3632, 0.4866, 0.2930

Monochromacy



Original Color

22.5205, 0.4235, 0.2366

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.2985, 0.3555, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5205, 0.4235, 0.2366 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(231, 60, 153)` looks like.

```
.text, #text, p{  
    color:rgb(231, 60, 153)  
}
```

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(231, 60, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 60, 153) }
```

Border

The CSS property to change the border of an element to Yxy 22.5205, 0.4235, 0.2366 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(231, 60, 153) }
```

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

```
.border{ border-color:rgb(231, 60, 153) }
```

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

Here you see how a box with a 4 pixel rgb(231, 60, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 60, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 60, 153);  
box-shadow:4px 4px 4px 4px rgb(231, 60,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5205, 0.4235, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 60, 153) }
```

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

```
.background{ background-color: rgb(231, 60,  
153) }
```

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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