

Converting Colors

$Y_{xy}(22.7531, 0.4379, 0.2389)$

Have a look what the booklet for
Yxy(22.7531, 0.4379, 0.2389)
contains.

Yxy(22.7207, 0.4383, 0.2392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7207, 0.4383, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	ED3595
RGB	237, 53, 149
RGB Percent	93%, 21%, 58%
CMY	0.0705, 0.7924, 0.4156
CMYK	0.00, 0.78, 0.37, 0.07
HSL	329°, 84%, 57%
HSV	329°, 78%, 93%
XYZ	41.6325, 22.7207, 30.6331
YIQ	118.9600, 78.8480, 68.8640

Conversions

Conversions Part 2

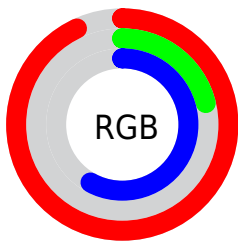
Format	Color
R _Y B	237, 53, 149
Decimal	15545749
CIE Lab	54.78, 74.62, -9.01
CIE LCh	55, 75.165, 353.115
Yxy	22.7207, 0.4383, 0.2392
Android (android.graphics.Color)	4293735829 (0xFFED3595)
YUV	118.9600, 14.8097, 103.5211
Hunter-Lab	47.6662, 72.4888, -4.7368

Details

The Yxy color **22.7207, 0.4383, 0.2392** 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 **63.2648, 0.2703, 0.4676**, and the grayscale version is **18.3609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5287, 0.3705, 0.2440**, and **10.1119, 0.4713, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **20.7268, 0.4618, 0.2396**, and if you desaturate by 10%, it is **25.8193, 0.4151, 0.2439**.

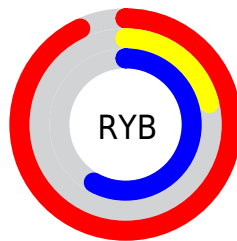
Distribution



Red (93%)

Green (21%)

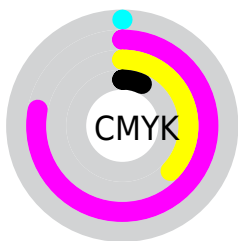
Blue (58%)



Red (93%)

Yellow (21%)

Blue (58%)

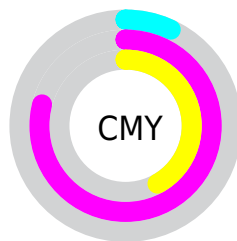


Cyan (0%)

Magenta (78%)

Yellow (37%)

Black (7%)



Cyan (7%)


Magenta (79%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7207, 0.4383, 0.2392 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 22.7207, 0.4383, 0.2392 by changing the saturation by 10% instead.


 22.7207, 0.4383,
0.2392


 22.7207, 0.4383,
0.2392


266.2872, 0.3701,
0.2865


 14.3874, 0.4571,
0.2267


 47.9343, 0.4122,
0.2569

 8.3906, 0.4822,
0.2104


 65.5834, 0.4028,
0.2634

 4.3459, 0.5173,
0.1883


 87.1066, 0.3950,
0.2688

 1.8689, 0.5693,
0.1570

 112.8882, 0.3885,
0.2735

 0.5296, 0.6571,
0.1034

 143.3127, 0.3829,
0.2774

 0.0000, 0.9992,
0.0000

178.7644, 0.3780,

 0.0000, 1.0000,

0.2808

0.0000


219.6278, 0.3738,
0.2839


 0.0000, 0.0000,
0.0000


 22.7207, 0.4383,
0.2392


 22.7207, 0.4383,
0.2392


 20.7268, 0.4618,
0.2396


 25.8193, 0.4151,
0.2439


 19.6460, 0.4846,
0.2455

 30.1586, 0.3934,
0.2528

 19.4581, 0.4899,
0.2472

 35.8589, 0.3738,
0.2644

 43.0250, 0.3567,
0.2777

 51.7515, 0.3421,
0.2917

 62.1248, 0.3297,
0.3056

 74.2252, 0.3194,
0.3191

 88.1274, 0.3109,
0.3319

 96.4961, 0.3040,
0.3329

Harmonies

Analogous

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



22.7207, 0.3004, 0.1842



22.7207, 0.4383, 0.2392



22.7207, 0.5433, 0.3097

Triad

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



22.7207, 0.4383, 0.2392



22.7207, 0.3915, 0.5589



22.7207, 0.1129, 0.1920

Complementary

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



22.7207, 0.4383, 0.2392



63.2648, 0.2703, 0.4676

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.



22.7207, 0.1248, 0.2837



22.7207, 0.4383, 0.2392



22.7207, 0.2788, 0.5667

Square

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



22.7207, 0.4383, 0.2392



22.7207, 0.4937, 0.4760



22.7207, 0.1801, 0.4396



22.7207, 0.1352, 0.1556

Rectangle

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



22.7207, 0.4383, 0.2392



22.7207, 0.5631, 0.3607



22.7207, 0.1801, 0.4396



22.7207, 0.1128, 0.2151

Sweetspot

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



22.7220, 0.4383, 0.2392



66.4417, 0.3361, 0.2981



14.1338, 0.2214, 0.1151



13.3054, 0.3408, 0.2930



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.



22.7220, 0.4383, 0.2392



23.6293, 0.4750, 0.2424



20.8680, 0.5773, 0.3256



15.1854, 0.3211, 0.3168



10.6468, 0.4864, 0.2453



0.8555, 0.4572, 0.2292

Inverse Universe

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



22.7220, 0.4383, 0.2392



23.6293, 0.4750, 0.2424



67.1067, 0.2316, 0.3367



15.1854, 0.3211, 0.3168



10.6468, 0.4864, 0.2453



0.8555, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 22.7207, 0.4383, 0.2392 looks on a white background.

Color Contrast Check

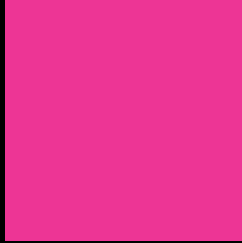
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7207, 0.4383, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

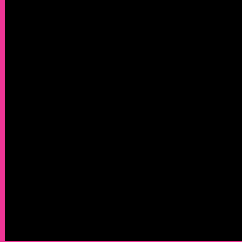
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7207, 0.4383, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 22.7207, 0.4383, 0.2392.



This preview shows how white text looks on a background with the Yxy color 22.7207, 0.4383, 0.2392.

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

22.7207, 0.4383, 0.2392

Protanopia

22.9964, 0.2315, 0.2187

Deuteranopia

22.9945, 0.3148, 0.3089



Tritanopia

22.6034, 0.5352, 0.3261

Trichromacy



Original Color

22.7207, 0.4383, 0.2392



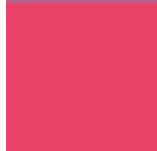
Protanomaly

19.5136, 0.2863, 0.2123



Deuteranomaly

20.5206, 0.3595, 0.2681



Tritanomaly

22.3883, 0.5039, 0.2940

Monochromacy



Original Color

22.7207, 0.4383, 0.2392



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.4775, 0.3610, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7207, 0.4383, 0.2392 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(237, 53, 149)` looks like.

```
.text, #text, p{  
    color:rgb(237, 53, 149)  
}
```

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(237, 53, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 53, 149) }
```

Border

The CSS property to change the border of an element to Yxy 22.7207, 0.4383, 0.2392 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(237, 53, 149) }
```

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

```
.border{ border-color:rgb(237, 53, 149) }
```

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

Here you see how a box with a 4 pixel rgb(237, 53, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 53, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 53, 149);  
box-shadow:4px 4px 4px 4px rgb(237, 53,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7207, 0.4383, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 53, 149) }
```

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

```
.background{ background-color: rgb(237, 53,  
149) }
```

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