

Converting Colors

$Y_{xy}(22.2890, 0.4418, 0.2208)$

Have a look what the booklet for
Yxy(22.2890, 0.4418, 0.2208)
contains.

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Color

Yxy(22.2085, 0.4422, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	F7009D
RGB	247, 0, 157
RGB Percent	97%, 0%, 62%
CMY	0.0315, 0.9989, 0.3843
CMYK	0.00, 1.00, 0.36, 0.03
HSL	322°, 100%, 48%
HSV	322°, 100%, 97%
XYZ	44.4371, 22.2085, 33.8454
YIQ	91.7510, 96.8150, 101.1910

Conversions

Conversions Part 2

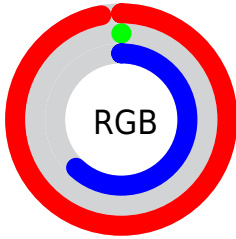
Format	Color
RYB	247, 0, 157
Decimal	16187549
CIELab	54.25, 85.28, -14.36
CIElCh	54, 86.476, 350.439
Yxy	22.2085, 0.4422, 0.2210
Android (android.graphics.Color)	4294377629 (0xFFFF7009D)
YUV	91.7510, 32.1678, 136.1534
Hunter-Lab	47.1259, 85.8453, -9.5934

Details

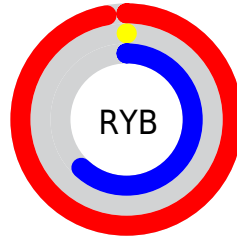
The Yxy color **22.2085, 0.4422, 0.2210** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **67.2495, 0.2850, 0.5458**, and the grayscale version is **10.5868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9371, 0.3633, 0.2204**, and **11.3549, 0.4652, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **22.2006, 0.4424, 0.2211**, and if you desaturate by 10%, it is **23.2169, 0.4261, 0.2171**.

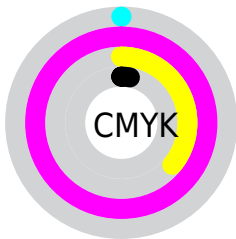
Distribution



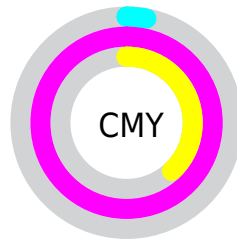
- Red (97%)
- Green (0%)
- Blue (62%)



- Red (97%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2085, 0.4422, 0.2210 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 22.2085, 0.4422, 0.2210 by changing the saturation by 10% instead.


 22.2085, 0.4422,
0.2210

 22.2085, 0.4422,
0.2210

263.6332, 0.3728,
0.2766


 14.0102, 0.4609,
0.2069


 47.0904, 0.4159,
0.2414


 8.1277, 0.4857,
0.1887


 64.5427, 0.4064,
0.2491

 4.1768, 0.5197,
0.1648


 85.8485, 0.3984,
0.2555

 1.7729, 0.5689,
0.1323

 111.3921, 0.3917,
0.2609

 0.4702, 0.6505,
0.0783

 141.5580, 0.3859,
0.2657

 0.0000, 0.8414,
0.0000

176.7306, 0.3810,

 0.0000, 1.0000,

0.2698

0.0000

217.2942, 0.3766,
0.2734

■ 0.0000, 0.0000,
0.0000

■ 22.2085, 0.4422,
0.2210

■ 22.2085, 0.4422,
0.2210

■ 22.2006, 0.4424,
0.2211

■ 23.2169, 0.4261,
0.2171

■ 25.1179, 0.4096,
0.2179

■ 28.1772, 0.3931,
0.2239

■ 32.5560, 0.3773,
0.2342

■ 38.3898, 0.3627,
0.2478

■ 45.7973, 0.3495,
0.2634

■ 54.8846, 0.3380,
0.2801

■ 65.7488, 0.3281,
0.2969

■ 78.4793, 0.3197,
0.3134

Harmonies

Analogous

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



22.2085, 0.2840, 0.1645



22.2085, 0.4422, 0.2210



22.2085, 0.5700, 0.2944

Triad

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



22.2085, 0.4422, 0.2210



22.2085, 0.4002, 0.5771



22.2085, 0.0933, 0.1793

Complementary

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



22.2085, 0.4422, 0.2210



67.2495, 0.2850, 0.5458

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.



22.2085, 0.1068, 0.2860



22.2085, 0.4422, 0.2210



22.2085, 0.2770, 0.6145

Square

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



22.2085, 0.4422, 0.2210



22.2085, 0.5156, 0.4721



22.2085, 0.1680, 0.4767



22.2085, 0.1139, 0.1387

Rectangle

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



22.2085, 0.4422, 0.2210



22.2085, 0.5947, 0.3468



22.2085, 0.1680, 0.4767



22.2085, 0.0936, 0.2055

Sweetspot

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



22.2098, 0.4422, 0.2210



58.8518, 0.3382, 0.2798



8.7274, 0.1753, 0.0740



11.6674, 0.3429, 0.2727



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.



22.2098, 0.4422, 0.2210



23.8689, 0.4426, 0.2212



19.9105, 0.6222, 0.3202



16.6597, 0.3194, 0.3141



11.7722, 0.4398, 0.2196



1.0544, 0.4209, 0.2092

Inverse Universe

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



22.2098, 0.4422, 0.2210



23.8689, 0.4426, 0.2212



71.1588, 0.2383, 0.3778



16.6597, 0.3194, 0.3141



11.7722, 0.4398, 0.2196



1.0544, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 22.2085, 0.4422, 0.2210 looks on a white background.

Color Contrast Check

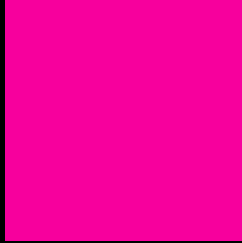
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2085, 0.4422, 0.2210 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 22.2085, 0.4422, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 22.2085, 0.4422, 0.2210.



This preview shows how white text looks on a background with the Yxy color 22.2085, 0.4422, 0.2210.

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

22.2085, 0.4422, 0.2210

Protanopia

22.9984, 0.2071, 0.1873

Deuteranopia

22.8320, 0.3038, 0.2987



Tritanopia

22.5162, 0.5675, 0.3283

Trichromacy



Original Color

22.2085, 0.4422, 0.2210



Protanomaly

16.3157, 0.2579, 0.1664



Deuteranomaly

17.5837, 0.3550, 0.2342



Tritanomaly

21.4541, 0.5325, 0.2862

Monochromacy



Original Color

22.2085, 0.4422, 0.2210



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.6848, 0.3737, 0.2358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2085, 0.4422, 0.2210 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(247, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 157)  
}
```

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(247, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 157) }
```

Border

The CSS property to change the border of an element to Yxy 22.2085, 0.4422, 0.2210 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(247, 0, 157) }
```

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

```
.border{ border-color:rgb(247, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2085, 0.4422, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 157) }
```

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

```
.background{ background-color: rgb(247, 0,  
157) }
```

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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