

Converting Colors

$Y_{xy}(22.7321, 0.4219, 0.2098)$

Have a look what the booklet for
Yxy(22.7321, 0.4219, 0.2098)
contains.

Yxy(22.6764, 0.4212, 0.2094)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6764, 0.4212, 0.2094)

Conversions

Conversions Part 1

Format	Color
Hex	F700AA
RGB	247, 0, 170
RGB Percent	97%, 0%, 67%
CMY	0.0314, 0.9997, 0.3333
CMYK	0.00, 1.00, 0.31, 0.03
HSL	319°, 100%, 48%
HSV	319°, 100%, 97%
XYZ	45.6127, 22.6764, 40.0032
YIQ	93.2330, 92.6420, 105.2340

Conversions

Conversions Part 2

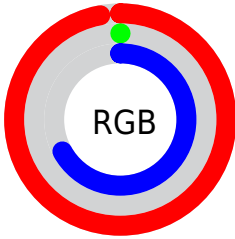
Format	Color
RYB	247, 0, 170
Decimal	16187562
CIELab	54.74, 86.56, -21.28
CIELCh	55, 89.134, 346.186
Yxy	22.6764, 0.4212, 0.2094
Android (android.graphics.Color)	4294377642 (0xFFFF700AA)
YUV	93.2330, 37.8461, 134.8537
Hunter-Lab	47.6197, 87.6422, -16.4730

Details

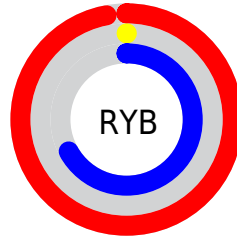
The Yxy color **22.6764, 0.4212, 0.2094** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **67.0573, 0.2888, 0.5597**, and the grayscale version is **10.9083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8106, 0.3489, 0.2104**, and **11.6223, 0.4387, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **22.6750, 0.4212, 0.2094**, and if you desaturate by 10%, it is **23.6619, 0.4081, 0.2068**.

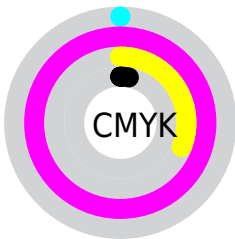
Distribution



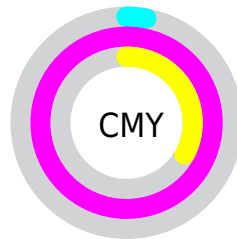
- Red (97%)
- Green (0%)
- Blue (67%)



- Red (97%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6764, 0.4212, 0.2094 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 22.6764, 0.4212, 0.2094 by changing the saturation by 10% instead.


 22.6764, 0.4212,
0.2094


 22.6764, 0.4212,
0.2094


266.0585, 0.3645,
0.2694


 14.3547, 0.4360,
0.1947


 47.8614, 0.4001,
0.2311

 8.3678, 0.4553,
0.1761


 65.4936, 0.3923,
0.2392


 4.3312, 0.4813,
0.1522


 86.9980, 0.3858,
0.2462

 1.8605, 0.5179,
0.1206

 112.7592, 0.3802,
0.2521

 0.5245, 0.5759,
0.0729

 143.1614, 0.3754,
0.2573

 0.0000, 0.6762,
0.0000

178.5891, 0.3713,

 0.0000, 1.0000,

0.2618

0.0000

219.4267, 0.3677,
0.2658

■ 0.0000, 0.0000,
0.0000

■ 22.6764, 0.4212,
0.2094

■ 22.6764, 0.4212,
0.2094

■ 22.6750, 0.4212,
0.2094

■ 23.6619, 0.4081,
0.2068

■ 25.5304, 0.3947,
0.2087

■ 28.5500, 0.3812,
0.2157

■ 32.8822, 0.3681,
0.2270

■ 38.6624, 0.3558,
0.2415

■ 46.0093, 0.3447,
0.2582

■ 55.0290, 0.3348,
0.2761

■ 65.8184, 0.3262,
0.2942

■ 78.4670, 0.3189,
0.3120

Harmonies

Analogous

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



22.6764, 0.2634, 0.1561



22.6764, 0.4212, 0.2094



22.6764, 0.5630, 0.2820

Triad

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



22.6764, 0.4212, 0.2094



22.6764, 0.4176, 0.5670



22.6764, 0.0899, 0.1865

Complementary

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



22.6764, 0.4212, 0.2094



67.0573, 0.2888, 0.5597

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.



22.6764, 0.1087, 0.3074



22.6764, 0.4212, 0.2094



22.6764, 0.2922, 0.6257

Square

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



22.6764, 0.4212, 0.2094



22.6764, 0.5319, 0.4571



22.6764, 0.1779, 0.5098



22.6764, 0.1062, 0.1388

Rectangle

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



22.6764, 0.4212, 0.2094



22.6764, 0.5992, 0.3339



22.6764, 0.1779, 0.5098



22.6764, 0.0918, 0.2165

Sweetspot

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



22.6777, 0.4212, 0.2094



59.0778, 0.3349, 0.2759



8.1789, 0.1687, 0.0703



11.7214, 0.3389, 0.2683



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.



22.6777, 0.4212, 0.2094



24.3742, 0.4214, 0.2095



20.0010, 0.6111, 0.3140



16.6752, 0.3186, 0.3128



12.0191, 0.4191, 0.2083



1.0748, 0.4038, 0.1998

Inverse Universe

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



22.6777, 0.4212, 0.2094



24.3742, 0.4214, 0.2095



70.5798, 0.2432, 0.3954



16.6752, 0.3186, 0.3128



12.0191, 0.4191, 0.2083



1.0748, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 22.6764, 0.4212, 0.2094 looks on a white background.

Color Contrast Check

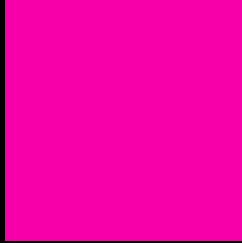
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6764, 0.4212, 0.2094 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 22.6764, 0.4212, 0.2094

Background



This preview shows how black text looks on a background with the Yxy color 22.6764, 0.4212, 0.2094.



This preview shows how white text looks on a background with the Yxy color 22.6764, 0.4212, 0.2094.

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

22.6764, 0.4212, 0.2094

Protanopia

23.6674, 0.1944, 0.1708

Deuteranopia

23.1093, 0.2855, 0.2793



Tritanopia

22.9818, 0.5562, 0.3274

Trichromacy



Original Color

22.6764, 0.4212, 0.2094



Protanomaly

16.3957, 0.2374, 0.1503



Deuteranomaly

17.6776, 0.3327, 0.2172



Tritanomaly

21.8230, 0.5185, 0.2799

Monochromacy



Original Color

22.6764, 0.4212, 0.2094



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.8980, 0.3659, 0.2290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6764, 0.4212, 0.2094 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 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(247, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 170) }
```

Border

The CSS property to change the border of an element to Yxy 22.6764, 0.4212, 0.2094 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, 170) }
```

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

```
.border{ border-color:rgb(247, 0, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6764, 0.4212, 0.2094 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, 170) }
```

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

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