

Converting Colors

$Y_{xy}(22.8161, 0.4417, 0.2207)$

Have a look what the booklet for
Yxy(22.8161, 0.4417, 0.2207)
contains.

Yxy(22.8272, 0.4422, 0.2210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8272, 0.4422, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	FA009F
RGB	250, 0, 159
RGB Percent	98%, 0%, 62%
CMY	0.0197, 0.9989, 0.3766
CMYK	0.00, 1.00, 0.36, 0.02
HSL	322°, 100%, 49%
HSV	322°, 100%, 98%
XYZ	45.6751, 22.8272, 34.7882
YIQ	92.8760, 97.9610, 102.4490

Conversions

Conversions Part 2

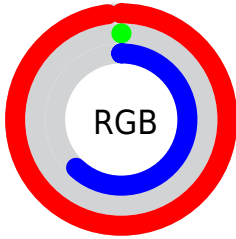
Format	Color
R_YB	250, 0, 159
Decimal	16384159
CIE _{Lab}	54.89, 86.06, -14.50
CIE _{LCh}	55, 87.272, 350.439
Yxy	22.8272, 0.4422, 0.2210
Android (android.graphics.Color)	4294574239 (0xFFFA009F)
YUV	92.8760, 32.5991, 137.7977
Hunter-Lab	47.7778, 87.0328, -9.7261

Details

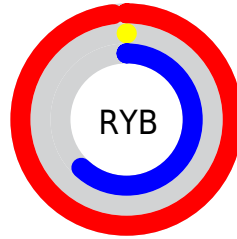
The Yxy color **22.8272, 0.4422, 0.2210** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **69.1202, 0.2850, 0.5460**, and the grayscale version is **10.8591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2294, 0.3609, 0.2195**, and **11.6475, 0.4634, 0.2327** is the 20% darker color. If you saturate the color by 10%, you get **22.8190, 0.4424, 0.2211**, and if you desaturate by 10%, it is **23.8576, 0.4262, 0.2170**.

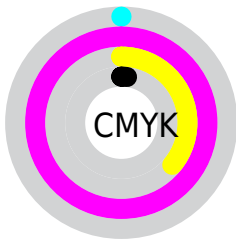
Distribution



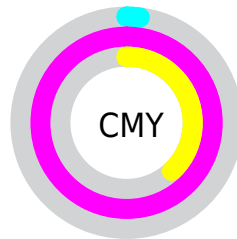
- Red (98%)
- Green (0%)
- Blue (62%)



- Red (98%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8272, 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 22.8272, 0.4422, 0.2210 by changing the saturation by 10% instead.


 22.8272, 0.4422,
0.2210


 22.8272, 0.4422,
0.2210


266.8362, 0.3731,
0.2763


 14.4660, 0.4607,
0.2070


 48.1094, 0.4161,
0.2413


 8.4455, 0.4851,
0.1891

 65.7992, 0.4066,
0.2489


 4.3813, 0.5186,
0.1655


 87.3673, 0.3987,
0.2553

 1.8891, 0.5668,
0.1336

 113.1981, 0.3920,
0.2607

 0.5418, 0.6440,
0.0840

 143.6760, 0.3862,
0.2654

 0.0000, 0.8181,
0.0000

179.1854, 0.3813,

 0.0000, 1.0000,

0.2695

0.0000

220.1107, 0.3769,
0.2731

■ 0.0000, 0.0000,
0.0000

■ 22.8272, 0.4422,
0.2210

■ 22.8272, 0.4422,
0.2210

■ 22.8190, 0.4424,
0.2211

■ 23.8576, 0.4262,
0.2170

■ 25.8069, 0.4097,
0.2179

■ 28.9473, 0.3932,
0.2238

■ 33.4452, 0.3773,
0.2342

■ 39.4400, 0.3627,
0.2477

■ 47.0539, 0.3496,
0.2633

■ 56.3965, 0.3380,
0.2800

■ 67.5676, 0.3281,
0.2969

■ 80.6594, 0.3197,
0.3134

Harmonies

Analogous

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



22.8272, 0.2840, 0.1645



22.8272, 0.4422, 0.2210



22.8272, 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.



22.8272, 0.4422, 0.2210



22.8272, 0.4002, 0.5771



22.8272, 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.



22.8272, 0.4422, 0.2210



69.1202, 0.2850, 0.5460

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.



22.8272, 0.1068, 0.2860



22.8272, 0.4422, 0.2210



22.8272, 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.



22.8272, 0.4422, 0.2210



22.8272, 0.5156, 0.4720



22.8272, 0.1680, 0.4767



22.8272, 0.1139, 0.1387

Rectangle

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



22.8272, 0.4422, 0.2210



22.8272, 0.5947, 0.3468



22.8272, 0.1680, 0.4767



22.8272, 0.0936, 0.2055

Sweetspot

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



22.8285, 0.4422, 0.2210



58.8528, 0.3382, 0.2798



8.9656, 0.1752, 0.0739



11.6676, 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.



22.8285, 0.4422, 0.2210



23.8710, 0.4425, 0.2211



20.4644, 0.6224, 0.3203



17.4109, 0.3194, 0.3140



12.1348, 0.4399, 0.2197



1.1443, 0.4218, 0.2097

Inverse Universe

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



22.8285, 0.4422, 0.2210



23.8710, 0.4425, 0.2211



73.1400, 0.2383, 0.3778



17.4109, 0.3194, 0.3140



12.1348, 0.4399, 0.2197



1.1443, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 22.8272, 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 22.8272, 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 22.8272, 0.4422, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 22.8272, 0.4422, 0.2210.



This preview shows how white text looks on a background with the Yxy color 22.8272, 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

22.8272, 0.4422, 0.2210

Protanopia

23.7404, 0.2071, 0.1876

Deuteranopia

23.3276, 0.3040, 0.2974



Tritanopia

23.1698, 0.5674, 0.3283

Trichromacy



Original Color

22.8272, 0.4422, 0.2210



Protanomaly

16.7942, 0.2576, 0.1659



Deuteranomaly

17.8853, 0.3548, 0.2326



Tritanomaly

22.0113, 0.5332, 0.2862

Monochromacy



Original Color

22.8272, 0.4422, 0.2210



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.8963, 0.3751, 0.2355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8272, 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(250, 0, 159)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 159)  
}
```

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(250, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 159) }
```

Border

The CSS property to change the border of an element to Yxy 22.8272, 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(250, 0, 159) }
```

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

```
.border{ border-color:rgb(250, 0, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8272, 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(250, 0, 159) }
```

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

```
.background{ background-color: rgb(250, 0,  
159) }
```

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