

Converting Colors

Yxy(22.4389, 0.3322, 0.1604)

Have a look what the booklet for
Yxy(22.4389, 0.3322, 0.1604)
contains.

Yxy(22.4297, 0.3322, 0.1603)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4297, 0.3322, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	E800DE
RGB	232, 0, 222
RGB Percent	91%, 0%, 87%
CMY	0.0899, 1.0000, 0.1293
CMYK	0.00, 1.00, 0.04, 0.09
HSL	303°, 100%, 46%
HSV	303°, 100%, 91%
XYZ	46.4825, 22.4297, 71.0111
YIQ	94.6760, 67.0100, 118.2260

Conversions

Conversions Part 2

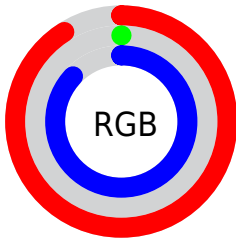
Format	Color
R _Y B	232, 0, 222
Decimal	15204574
CIE Lab	54.48, 90.14, -51.92
CIE LCh	54, 104.024, 330.056
Yxy	22.4297, 0.3322, 0.1603
Android (android.graphics.Color)	4293394654 (0xFFE800DE)
YUV	94.6760, 62.7707, 120.4331
Hunter-Lab	47.3600, 92.3127, -55.7468

Details

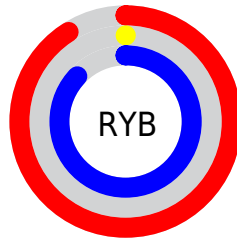
The Yxy color **22.4297, 0.3322, 0.1603** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **57.7716, 0.2994, 0.5980**, and the grayscale version is **11.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **11.4111, 0.3283, 0.1582** is the 20% darker color. If you saturate the color by 10%, you get **22.4424, 0.3322, 0.1604**, and if you desaturate by 10%, it is **23.1174, 0.3308, 0.1629**.

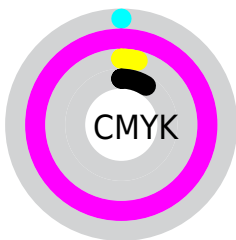
Distribution



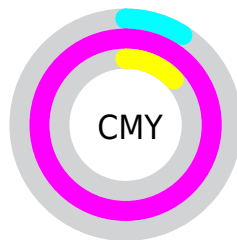
- Red (91%)
- Green (0%)
- Blue (87%)



- Red (91%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4297, 0.3322, 0.1603 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 22.4297, 0.3322, 0.1603 by changing the saturation by 10% instead.


 22.4297, 0.3322,
0.1603


 22.4297, 0.3322,
0.1603


264.7821, 0.3271,
0.2383

 14.1730, 0.3321,
0.1433


 47.4552, 0.3314,
0.1869

 8.2411, 0.3311,
0.1232


 64.9927, 0.3308,
0.1974


 4.2496, 0.3286,
0.0991


 86.3927, 0.3301,
0.2065

 1.8141, 0.3229,
0.0709

 112.0394, 0.3295,
0.2145

 0.4960, 0.3118,
0.0358

 142.3173, 0.3288,
0.2215

 0.0000, 0.2876,
0.0000

177.6108, 0.3282,

 0.0000, 0.2212,

0.2277

0.0000

218.3043, 0.3276,
0.2333

■ 0.0000, 0.0000,
0.0000

■ 22.4297, 0.3322,
0.1603

■ 22.4297, 0.3322,
0.1603

■ 22.4424, 0.3322,
0.1604

■ 23.1174, 0.3308,
0.1629

■ 24.5371, 0.3292,
0.1692

■ 26.9381, 0.3273,
0.1797

■ 30.4584, 0.3253,
0.1945

■ 35.2137, 0.3231,
0.2130

■ 41.3055, 0.3209,
0.2343

■ 48.8247, 0.3187,
0.2574

■ 57.8544, 0.3166,
0.2814

■ 68.4710, 0.3146,
0.3055

Harmonies

Analogous

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



22.4297, 0.1847, 0.1209



22.4297, 0.3322, 0.1603



22.4297, 0.5243, 0.2280

Triad

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



22.4297, 0.3322, 0.1603



22.4297, 0.4871, 0.5129



22.4297, 0.0735, 0.2219

Complementary

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



22.4297, 0.3322, 0.1603



57.7716, 0.2994, 0.5980

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.



22.4297, 0.1144, 0.4234



22.4297, 0.3322, 0.1603



22.4297, 0.3481, 0.6441

Square

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



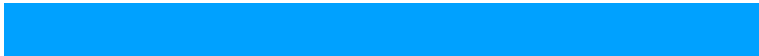
22.4297, 0.3322, 0.1603



22.4297, 0.6013, 0.3941



22.4297, 0.2154, 0.6514



22.4297, 0.0742, 0.1371

Rectangle

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



22.4297, 0.3322, 0.1603



22.4297, 0.6132, 0.2795



22.4297, 0.2154, 0.6514



22.4297, 0.0812, 0.2737

Sweetspot

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



22.4424, 0.3322, 0.1604



60.3090, 0.3187, 0.2570



5.8798, 0.1508, 0.0604



12.0188, 0.3197, 0.2471



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.



22.4424, 0.3322, 0.1604



27.7904, 0.3323, 0.1604



18.2557, 0.5133, 0.2602



15.3019, 0.3145, 0.3068



12.8557, 0.3320, 0.1603



1.0130, 0.3303, 0.1593

Inverse Universe

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



22.4424, 0.3322, 0.1604



27.7904, 0.3323, 0.1604



59.1990, 0.2699, 0.4917



15.3019, 0.3145, 0.3068



12.8557, 0.3320, 0.1603



1.0130, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 22.4297, 0.3322, 0.1603 looks on a white background.

Color Contrast Check

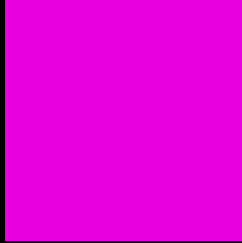
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4297, 0.3322, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

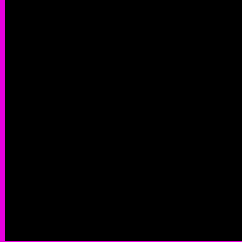
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4297, 0.3322, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 22.4297, 0.3322, 0.1603.



This preview shows how white text looks on a background with the Yxy color 22.4297, 0.3322, 0.1603.

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

22.4297, 0.3322, 0.1603

Protanopia

23.4426, 0.1839, 0.1579

Deuteranopia

23.2298, 0.2158, 0.2099



Tritanopia

22.6668, 0.4930, 0.3230

Trichromacy



Original Color

22.4297, 0.3322, 0.1603



Protanomaly

16.2779, 0.2063, 0.1257



Deuteranomaly

16.8584, 0.2420, 0.1552



Tritanomaly

20.4731, 0.4379, 0.2433

Monochromacy



Original Color

22.4297, 0.3322, 0.1603



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.1745, 0.3251, 0.2007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4297, 0.3322, 0.1603 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(232, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 222)  
}
```

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(232, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 222) }
```

Border

The CSS property to change the border of an element to Yxy 22.4297, 0.3322, 0.1603 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(232, 0, 222) }
```

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

```
.border{ border-color:rgb(232, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4297, 0.3322, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 222) }
```

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

```
.background{ background-color: rgb(232, 0,  
222) }
```

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