

Converting Colors

$Y_{xy}(22.0229, 0.3365, 0.1627)$

Have a look what the booklet for
Yxy(22.0229, 0.3365, 0.1627)
contains.

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Color

Yxy(21.9987, 0.3370, 0.1630)

Conversions

Conversions Part 1

Format	Color
Hex	E700D9
RGB	231, 0, 217
RGB Percent	91%, 0%, 85%
CMY	0.0940, 1.0000, 0.1491
CMYK	0.00, 1.00, 0.06, 0.09
HSL	304°, 100%, 45%
HSV	304°, 100%, 91%
XYZ	45.4820, 21.9987, 67.4807
YIQ	93.8070, 68.0190, 116.4590

Conversions

Conversions Part 2

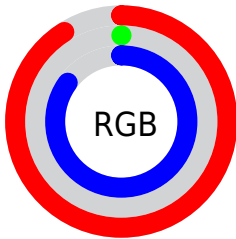
Format	Color
R _Y B	231, 0, 217
Decimal	15139033
CIE Lab	54.03, 89.25, -49.78
CIE LCh	54, 102.196, 330.847
Yxy	21.9987, 0.3370, 0.1630
Android (android.graphics.Color)	4293329113 (0xFFE700D9)
YUV	93.8070, 60.7341, 120.3183
Hunter-Lab	46.9028, 91.0130, -52.4707

Details

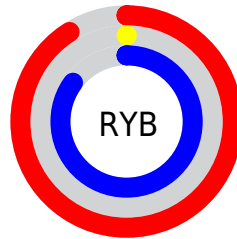
The Yxy color **21.9987, 0.3370, 0.1630** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **57.1953, 0.2992, 0.5970**, and the grayscale version is **10.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **11.1193, 0.3345, 0.1617** is the 20% darker color. If you saturate the color by 10%, you get **22.0011, 0.3370, 0.1630**, and if you desaturate by 10%, it is **22.6913, 0.3351, 0.1654**.

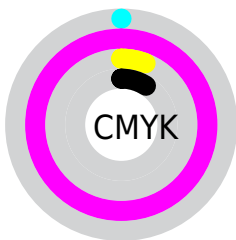
Distribution



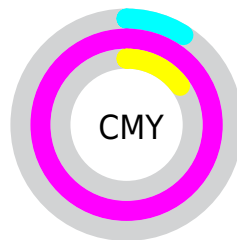
- Red (91%)
- Green (0%)
- Blue (85%)



- Red (91%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9987, 0.3370, 0.1630 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 21.9987, 0.3370, 0.1630 by changing the saturation by 10% instead.


 21.9987, 0.3370,
0.1630


 21.9987, 0.3370,
0.1630


262.5395, 0.3291,
0.2404


 13.8559, 0.3376,
0.1460


 46.7438, 0.3352,
0.1895


 8.0205, 0.3376,
0.1257

 64.1150, 0.3342,
0.1999

 4.1081, 0.3362,
0.1013


 85.3311, 0.3332,
0.2090

 1.7342, 0.3321,
0.0724

 110.7766, 0.3323,
0.2169

 0.4457, 0.3236,
0.0350

 140.8357, 0.3314,
0.2238

 0.0000, 0.3009,
0.0000

175.8930, 0.3306,

 0.0000, 0.2282,

0.2300

0.0000

216.3328, 0.3298,
0.2355

■ 0.0000, 0.0000,
0.0000

■ 21.9987, 0.3370,
0.1630

■ 21.9987, 0.3370,
0.1630

■ 22.0011, 0.3370,
0.1630

■ 22.6913, 0.3351,
0.1654

■ 24.1185, 0.3329,
0.1714

■ 26.5171, 0.3304,
0.1818

■ 30.0236, 0.3278,
0.1965

■ 34.7524, 0.3251,
0.2148

■ 40.8040, 0.3224,
0.2358

■ 48.2681, 0.3197,
0.2586

■ 57.2269, 0.3172,
0.2823

■ 67.7562, 0.3148,
0.3059

Harmonies

Analogous

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



21.9987, 0.1887, 0.1228



21.9987, 0.3370, 0.1630



21.9987, 0.5267, 0.2311

Triad

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



21.9987, 0.3370, 0.1630



21.9987, 0.4835, 0.5165



21.9987, 0.0745, 0.2198

Complementary

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



21.9987, 0.3370, 0.1630



57.1953, 0.2992, 0.5970

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.



21.9987, 0.1144, 0.4158



21.9987, 0.3370, 0.1630



21.9987, 0.3453, 0.6437

Square

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



21.9987, 0.3370, 0.1630



21.9987, 0.5975, 0.3976



21.9987, 0.2138, 0.6439



21.9987, 0.0760, 0.1373

Rectangle

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



21.9987, 0.3370, 0.1630



21.9987, 0.6125, 0.2825



21.9987, 0.2138, 0.6439



21.9987, 0.0820, 0.2701

Sweetspot

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



22.0011, 0.3370, 0.1630



60.2243, 0.3197, 0.2582



5.8457, 0.1512, 0.0606



11.9982, 0.3209, 0.2484



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.



22.0011, 0.3370, 0.1630



27.5217, 0.3371, 0.1631



17.9911, 0.5204, 0.2640



14.5993, 0.3147, 0.3072



12.3384, 0.3367, 0.1629



0.9164, 0.3342, 0.1615

Inverse Universe

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



22.0011, 0.3370, 0.1630



27.5217, 0.3371, 0.1631



58.6974, 0.2683, 0.4858



14.5993, 0.3147, 0.3072



12.3384, 0.3367, 0.1629



0.9164, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 21.9987, 0.3370, 0.1630 looks on a white background.

Color Contrast Check

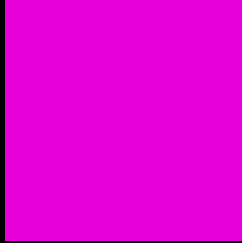
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9987, 0.3370, 0.1630 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 21.9987, 0.3370, 0.1630

Background



This preview shows how black text looks on a background with the Yxy color 21.9987, 0.3370, 0.1630.



This preview shows how white text looks on a background with the Yxy color 21.9987, 0.3370, 0.1630.

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

21.9987, 0.3370, 0.1630

Protanopia

23.0769, 0.1825, 0.1563

Deuteranopia

22.6002, 0.2194, 0.2129



Tritanopia

22.1578, 0.4964, 0.3231

Trichromacy



Original Color

21.9987, 0.3370, 0.1630



Protanomaly

15.9487, 0.2051, 0.1257



Deuteranomaly

16.6296, 0.2476, 0.1588



Tritanomaly

20.1325, 0.4421, 0.2454

Monochromacy



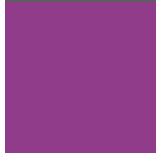
Original Color

21.9987, 0.3370, 0.1630



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.0251, 0.3267, 0.2026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9987, 0.3370, 0.1630 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(231, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 217)  
}
```

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(231, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 217) }
```

Border

The CSS property to change the border of an element to Yxy 21.9987, 0.3370, 0.1630 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(231, 0, 217) }
```

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

```
.border{ border-color:rgb(231, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(231, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9987, 0.3370, 0.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 217) }
```

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

```
.background{ background-color: rgb(231, 0,  
217) }
```

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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