

Converting Colors

$Y_{xy}(22.1921, 0.4013, 0.1984)$

Have a look what the booklet for
Yxy(22.1921, 0.4013, 0.1984)
contains.

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Color

Yxy(22.1319, 0.4016, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	F200B3
RGB	242, 0, 179
RGB Percent	95%, 0%, 70%
CMY	0.0510, 0.9998, 0.2981
CMYK	0.00, 1.00, 0.26, 0.05
HSL	316°, 100%, 47%
HSV	316°, 100%, 95%
XYZ	44.7541, 22.1319, 44.5535
YIQ	92.7640, 86.7730, 106.9730

Conversions

Conversions Part 2

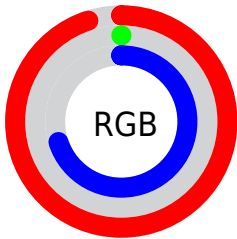
Format	Color
R_{YB}	242, 0, 179
Decimal	15859891
CIE _{Lab}	54.17, 86.54, -27.50
CIE _{LCh}	54, 90.810, 342.370
Yxy	22.1319, 0.4016, 0.1986
Android (android.graphics.Color)	4294049971 (0xFFFF200B3)
YUV	92.7640, 42.5143, 130.8800
Hunter-Lab	47.0446, 87.4815, -23.2194

Details

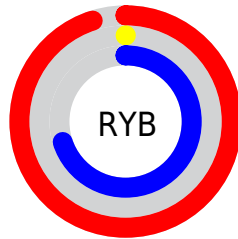
The Yxy color **22.1319, 0.4016, 0.1986** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **63.8660, 0.2920, 0.5711**, and the grayscale version is **10.7806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1818, 0.3386, 0.2018**, and **11.2097, 0.4144, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **22.1313, 0.4016, 0.1986**, and if you desaturate by 10%, it is **23.0567, 0.3913, 0.1972**.

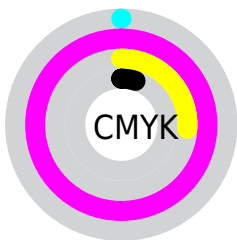
Distribution



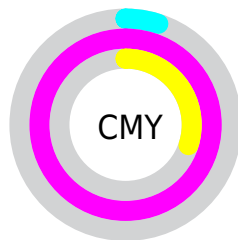
- Red (95%)
- Green (0%)
- Blue (70%)



- Red (95%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1319, 0.4016, 0.1986 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 22.1319, 0.4016, 0.1986 by changing the saturation by 10% instead.


 22.1319, 0.4016,
0.1986


 22.1319, 0.4016,
0.1986


263.2343, 0.3563,
0.2630


 13.9538, 0.4130,
0.1832


 46.9639, 0.3850,
0.2216


 8.0886, 0.4276,
0.1639

 64.3866, 0.3788,
0.2304


 4.1517, 0.4469,
0.1393


 85.6597, 0.3736,
0.2379

 1.7588, 0.4731,
0.1077

 111.1676, 0.3691,
0.2443

 0.4613, 0.5143,
0.0598

 141.2946, 0.3652,
0.2499

 0.0000, 0.5754,
0.0000

176.4251, 0.3619,

 0.0000, 0.9689,

0.2548

0.0000

216.9435, 0.3589,
0.2591

■ 0.0000, 0.0000,
0.0000

■ 22.1319, 0.4016,
0.1986

■ 22.1319, 0.4016,
0.1986

■ 22.1313, 0.4016,
0.1986

■ 23.0567, 0.3913,
0.1972

■ 24.8170, 0.3806,
0.2003

■ 27.6703, 0.3698,
0.2081

■ 31.7700, 0.3592,
0.2203

■ 37.2447, 0.3491,
0.2357

■ 44.2071, 0.3399,
0.2535

■ 52.7581, 0.3316,
0.2724

■ 62.9897, 0.3244,
0.2917

■ 74.9869, 0.3181,
0.3108

Harmonies

Analogous

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



22.1319, 0.2450, 0.1483



22.1319, 0.4016, 0.1986



22.1319, 0.5557, 0.2703

Triad

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



22.1319, 0.4016, 0.1986



22.1319, 0.4341, 0.5576



22.1319, 0.0867, 0.1936

Complementary

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



22.1319, 0.4016, 0.1986



63.8660, 0.2920, 0.5711

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.



22.1319, 0.1104, 0.3291



22.1319, 0.4016, 0.1986



22.1319, 0.3056, 0.6335

Square

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



22.1319, 0.4016, 0.1986



22.1319, 0.5471, 0.4433



22.1319, 0.1871, 0.5411



22.1319, 0.0990, 0.1387

Rectangle

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



22.1319, 0.4016, 0.1986



22.1319, 0.6030, 0.3220



22.1319, 0.1871, 0.5411



22.1319, 0.0899, 0.2275

Sweetspot

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



22.1331, 0.4016, 0.1986



59.3026, 0.3317, 0.2722



7.3899, 0.1632, 0.0673



11.7753, 0.3351, 0.2641



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.



22.1331, 0.4016, 0.1986



24.9161, 0.4019, 0.1988



19.2110, 0.5968, 0.3062



15.9570, 0.3178, 0.3117



11.9123, 0.4000, 0.1977



1.0072, 0.3872, 0.1907

Inverse Universe

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



22.1331, 0.4016, 0.1986



24.9161, 0.4019, 0.1988



66.8638, 0.2481, 0.4133



15.9570, 0.3178, 0.3117



11.9123, 0.4000, 0.1977



1.0072, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 22.1319, 0.4016, 0.1986 looks on a white background.

Color Contrast Check

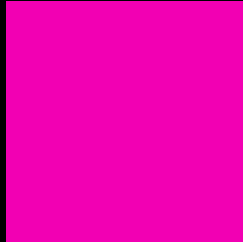
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1319, 0.4016, 0.1986 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 22.1319, 0.4016, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 22.1319, 0.4016, 0.1986.



This preview shows how white text looks on a background with the Yxy color 22.1319, 0.4016, 0.1986.

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

22.1319, 0.4016, 0.1986

Protanopia

23.2110, 0.1838, 0.1567

Deuteranopia

22.7756, 0.2701, 0.2659



Tritanopia

22.4933, 0.5442, 0.3271

Trichromacy



Original Color

22.1319, 0.4016, 0.1986



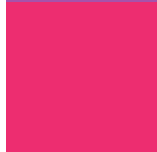
Protanomaly

15.6419, 0.2172, 0.1360



Deuteranomaly

17.1904, 0.3133, 0.2048



Tritanomaly

21.0511, 0.5025, 0.2727

Monochromacy



Original Color

22.1319, 0.4016, 0.1986



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7862, 0.3571, 0.2235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1319, 0.4016, 0.1986 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(242, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 179)  
}
```

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(242, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 179) }
```

Border

The CSS property to change the border of an element to Yxy 22.1319, 0.4016, 0.1986 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(242, 0, 179) }
```

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

```
.border{ border-color:rgb(242, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1319, 0.4016, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 179) }
```

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

```
.background{ background-color: rgb(242, 0,  
179) }
```

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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