

Converting Colors

$Y_{xy}(22.9659, 0.3905, 0.1989)$

Have a look what the booklet for
Yxy(22.9659, 0.3905, 0.1989)
contains.

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Color

Yxy(22.9659, 0.3905, 0.1989)

Conversions

Conversions Part 1

Format	Color
Hex	F01FB8
RGB	240, 31, 184
RGB Percent	94%, 12%, 72%
CMY	0.0586, 0.8790, 0.2784
CMYK	0.00, 0.87, 0.23, 0.06
HSL	316°, 87%, 53%
HSV	316°, 87%, 94%
XYZ	45.0889, 22.9659, 47.4097
YIQ	110.9330, 75.4510, 91.8910

Conversions

Conversions Part 2

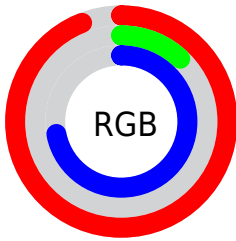
Format	Color
R _Y B	240, 31, 184
Decimal	15736760
CIE _{Lab}	55.04, 83.76, -29.11
CIE _{LCh}	55, 88.674, 340.835
Yxy	22.9659, 0.3905, 0.1989
Android (android.graphics.Color)	4293926840 (0xFFFF01FB8)
YUV	110.9330, 36.0220, 113.1918
Hunter-Lab	47.9228, 84.0799, -25.1094

Details

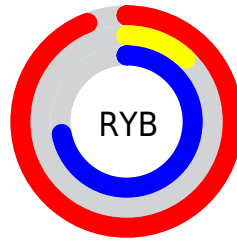
The Yxy color **22.9659, 0.3905, 0.1989** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **63.3221, 0.2878, 0.5448**, and the grayscale version is **15.7331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0667, 0.3331, 0.2038**, and **11.2224, 0.4026, 0.1991** is the 20% darker color. If you saturate the color by 10%, you get **21.8795, 0.4013, 0.1994**, and if you desaturate by 10%, it is **24.9900, 0.3794, 0.2032**.

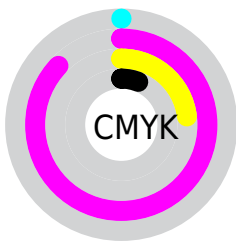
Distribution



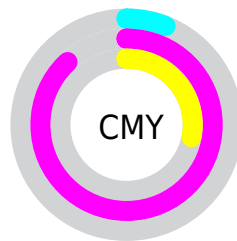
- Red (94%)
- Green (12%)
- Blue (72%)



- Red (94%)
- Yellow (12%)
- Blue (72%)



- Cyan (0%)
- Magenta (87%)
- Yellow (23%)
- Black (6%)





- Cyan (6%)
- Magenta (88%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9659, 0.3905, 0.1989 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 22.9659, 0.3905, 0.1989 by changing the saturation by 10% instead.


 22.9659, 0.3905,
0.1989


 22.9659, 0.3905,
0.1989


267.5498, 0.3515,
0.2627


 14.5683, 0.4001,
0.1837


 48.3373, 0.3764,
0.2216


 8.5170, 0.4123,
0.1648


 66.0800, 0.3710,
0.2303


 4.4275, 0.4282,
0.1408


 87.7064, 0.3665,
0.2377

 1.9155, 0.4494,
0.1100

 113.6011, 0.3627,
0.2441

 0.5576, 0.4806,
0.0664

 144.1484, 0.3593,
0.2497

 0.0000, 0.5315,
0.0000

179.7327, 0.3564,

 0.0000, 0.6700,

0.2545

0.0000

220.7383, 0.3538,
0.2589

■ 0.0000, 0.0000,
0.0000

■ 22.9659, 0.3905,
0.1989

■ 22.9659, 0.3905,
0.1989

■ 21.8795, 0.4013,
0.1994

■ 24.9900, 0.3794,
0.2032

■ 21.6575, 0.4043,
0.2001

■ 28.1320, 0.3682,
0.2123

■ 32.5354, 0.3574,
0.2253

■ 38.3211, 0.3473,
0.2414

■ 45.5959, 0.3381,
0.2594

■ 54.4562, 0.3299,
0.2784

■ 64.9901, 0.3227,
0.2975

■ 77.2792, 0.3165,
0.3162

■ 91.3997, 0.3113,
0.3340

Harmonies

Analogous

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



22.9659, 0.2410, 0.1507



22.9659, 0.3905, 0.1989



22.9659, 0.5420, 0.2691

Triad

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



22.9659, 0.3905, 0.1989



22.9659, 0.4397, 0.5473



22.9659, 0.0917, 0.2026

Complementary

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



22.9659, 0.3905, 0.1989



63.3221, 0.2878, 0.5448

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.



22.9659, 0.1183, 0.3396



22.9659, 0.3905, 0.1989



22.9659, 0.3151, 0.6223

Square

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



22.9659, 0.3905, 0.1989



22.9659, 0.5469, 0.4382



22.9659, 0.1973, 0.5415



22.9659, 0.1020, 0.1449

Rectangle

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



22.9659, 0.3905, 0.1989



22.9659, 0.5928, 0.3204



22.9659, 0.1973, 0.5415



22.9659, 0.0958, 0.2375

Sweetspot

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



22.9671, 0.3905, 0.1989



63.6547, 0.3290, 0.2804



9.2760, 0.1787, 0.0824



12.8082, 0.3317, 0.2738



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.



22.9671, 0.3905, 0.1989



24.8347, 0.4046, 0.2003



20.0803, 0.5623, 0.2981



15.9549, 0.3179, 0.3119



11.8740, 0.4027, 0.1992



1.0042, 0.3894, 0.1919

Inverse Universe

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



22.9671, 0.3905, 0.1989



24.8347, 0.4046, 0.2003



66.4076, 0.2455, 0.3961



15.9549, 0.3179, 0.3119



11.8740, 0.4027, 0.1992



1.0042, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 22.9659, 0.3905, 0.1989 looks on a white background.

Color Contrast Check

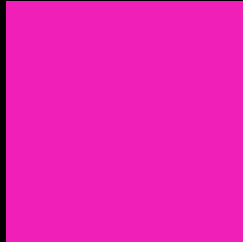
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9659, 0.3905, 0.1989 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 22.9659, 0.3905, 0.1989

Background



This preview shows how black text looks on a background with the Yxy color 22.9659, 0.3905, 0.1989.



This preview shows how white text looks on a background with the Yxy color 22.9659, 0.3905, 0.1989.

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

22.9659, 0.3905, 0.1989

Protanopia

23.5881, 0.1852, 0.1584

Deuteranopia

23.1933, 0.2643, 0.2587



Tritanopia

23.0576, 0.5290, 0.3260

Trichromacy



Original Color

22.9659, 0.3905, 0.1989



Protanomaly

17.8458, 0.2200, 0.1481



Deuteranomaly

19.2867, 0.3046, 0.2124



Tritanomaly

22.2019, 0.4850, 0.2751

Monochromacy



Original Color

22.9659, 0.3905, 0.1989



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.1387, 0.3464, 0.2416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9659, 0.3905, 0.1989 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(240, 31, 184)` looks like.

```
.text, #text, p{  
    color:rgb(240, 31, 184)  
}
```

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(240, 31, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 31, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.9659, 0.3905, 0.1989 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(240, 31, 184) }
```

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

```
.border{ border-color:rgb(240, 31, 184) }
```

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

Here you see how a box with a 4 pixel rgb(240, 31, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 31, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 31, 184);  
box-shadow:4px 4px 4px 4px rgb(240, 31,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9659, 0.3905, 0.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 31, 184) }
```

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

```
.background{ background-color: rgb(240, 31,  
184) }
```

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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