

Converting Colors

$Yxy(22.1218, 0.3849, 0.1894)$

Have a look what the booklet for
Yxy(22.1218, 0.3849, 0.1894)
contains.

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Color

Yxy(22.1561, 0.3859, 0.1899)

Conversions

Conversions Part 1

Format	Color
Hex	F00BC
RGB	240, 0, 188
RGB Percent	94%, 0%, 74%
CMY	0.0587, 1.0000, 0.2627
CMYK	0.00, 1.00, 0.22, 0.06
HSL	313°, 100%, 47%
HSV	313°, 100%, 94%
XYZ	45.0239, 22.1561, 49.4925
YIQ	93.1920, 82.6920, 109.3480

Conversions

Conversions Part 2

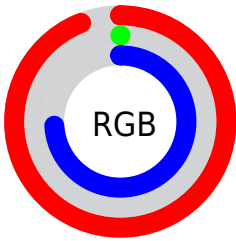
Format	Color
R_{YB}	240, 0, 188
Decimal	15728828
CIE _{Lab}	54.19, 87.21, -32.76
CIE _{LCh}	54, 93.162, 339.415
Yxy	22.1561, 0.3859, 0.1899
Android (android.graphics.Color)	4293918908 (0xFFFF00BC)
YUV	93.1920, 46.7403, 128.7506
Hunter-Lab	47.0703, 88.3668, -29.3918

Details

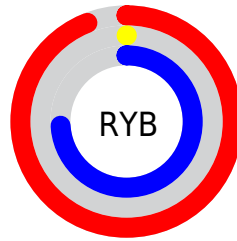
The Yxy color **22.1561, 0.3859, 0.1899** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **62.5915, 0.2943, 0.5793**, and the grayscale version is **10.8713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7763, 0.3287, 0.1944**, and **11.3049, 0.3966, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **22.1639, 0.3859, 0.1899**, and if you desaturate by 10%, it is **23.0458, 0.3777, 0.1895**.

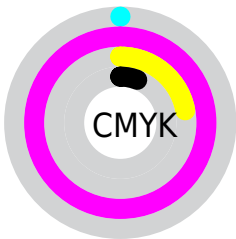
Distribution



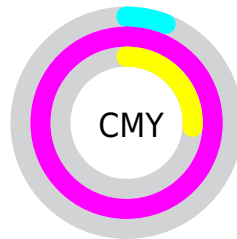
- Red (94%)
- Green (0%)
- Blue (74%)



- Red (94%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1561, 0.3859, 0.1899 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 22.1561, 0.3859, 0.1899 by changing the saturation by 10% instead.


 22.1561, 0.3859,
0.1899


 22.1561, 0.3859,
0.1899


263.3604, 0.3498,
0.2576


 13.9716, 0.3945,
0.1740


 47.0039, 0.3730,
0.2138

 8.1009, 0.4053,
0.1544


 64.4360, 0.3681,
0.2230

 4.1596, 0.4191,
0.1297


 85.7194, 0.3639,
0.2309

 1.7632, 0.4368,
0.0986

 111.2385, 0.3603,
0.2377

 0.4641, 0.4632,
0.0534

 141.3778, 0.3572,
0.2436

 0.0000, 0.4971,
0.0000

176.5216, 0.3544,

 0.0000, 0.5477,

0.2489

0.0000

217.0544, 0.3520,
0.2535

■ 0.0000, 0.0000,
0.0000

■ 22.1561, 0.3859,
0.1899

■ 22.1561, 0.3859,
0.1899

■ 22.1639, 0.3859,
0.1899

■ 23.0458, 0.3777,
0.1895

■ 24.7436, 0.3692,
0.1934

■ 27.5102, 0.3605,
0.2019

■ 31.4958, 0.3519,
0.2147

■ 36.8264, 0.3436,
0.2309

■ 43.6126, 0.3359,
0.2494

■ 51.9530, 0.3290,
0.2693

■ 61.9380, 0.3228,
0.2896

■ 73.6509, 0.3174,
0.3097

Harmonies

Analogous

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



22.1561, 0.2307, 0.1420



22.1561, 0.3859, 0.1899



22.1561, 0.5495, 0.2609

Triad

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



22.1561, 0.3859, 0.1899



22.1561, 0.4475, 0.5498



22.1561, 0.0839, 0.1995

Complementary

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



22.1561, 0.3859, 0.1899



62.5915, 0.2943, 0.5793

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.



22.1561, 0.1116, 0.3478



22.1561, 0.3859, 0.1899



22.1561, 0.3157, 0.6380

Square

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



22.1561, 0.3859, 0.1899



22.1561, 0.5593, 0.4323



22.1561, 0.1941, 0.5665



22.1561, 0.0933, 0.1385

Rectangle

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



22.1561, 0.3859, 0.1899



22.1561, 0.6057, 0.3124



22.1561, 0.1941, 0.5665



22.1561, 0.0882, 0.2369

Sweetspot

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



22.1639, 0.3859, 0.1899



59.4980, 0.3290, 0.2691



7.0239, 0.1601, 0.0656



11.8224, 0.3319, 0.2606



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.



22.1639, 0.3859, 0.1899



25.4180, 0.3861, 0.1901



18.9497, 0.5861, 0.3002



15.9693, 0.3171, 0.3107



12.1489, 0.3846, 0.1893



1.0251, 0.3746, 0.1837

Inverse Universe

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



22.1639, 0.3859, 0.1899



25.4180, 0.3861, 0.1901



65.3230, 0.2515, 0.4254



15.9693, 0.3171, 0.3107



12.1489, 0.3846, 0.1893



1.0251, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 22.1561, 0.3859, 0.1899 looks on a white background.

Color Contrast Check

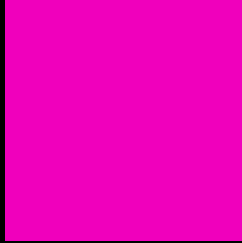
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1561, 0.3859, 0.1899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

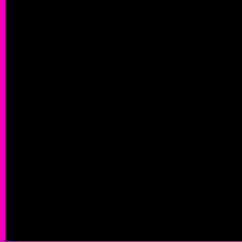
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1561, 0.3859, 0.1899

Background



This preview shows how black text looks on a background with the Yxy color 22.1561, 0.3859, 0.1899.



This preview shows how white text looks on a background with the Yxy color 22.1561, 0.3859, 0.1899.

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

22.1561, 0.3859, 0.1899

Protanopia

23.1830, 0.1835, 0.1566

Deuteranopia

22.7570, 0.2580, 0.2520



Tritanopia

22.4365, 0.5345, 0.3260

Trichromacy



Original Color

22.1561, 0.3859, 0.1899



Protanomaly

15.7920, 0.2143, 0.1333



Deuteranomaly

17.1164, 0.2976, 0.1933



Tritanomaly

20.8335, 0.4887, 0.2664

Monochromacy



Original Color

22.1561, 0.3859, 0.1899



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7974, 0.3483, 0.2172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1561, 0.3859, 0.1899 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, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 188)  
}
```

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, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 188) }
```

Border

The CSS property to change the border of an element to Yxy 22.1561, 0.3859, 0.1899 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, 0, 188) }
```

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

```
.border{ border-color:rgb(240, 0, 188) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1561, 0.3859, 0.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 188) }
```

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

```
.background{ background-color: rgb(240, 0,  
188) }
```

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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