

Converting Colors

Yxy(26.4001, 0.3617, 0.1769)

Have a look what the booklet for
Yxy(26.4001, 0.3617, 0.1769)
contains.

Yxy(26.3871, 0.3622, 0.1772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.3871, 0.3622, 0.1772)

Conversions

Conversions Part 1

Format	Color
Hex	FF03DA
RGB	255, 3, 218
RGB Percent	100%, 1%, 85%
CMY	0.0000, 0.9890, 0.1450
CMYK	0.00, 0.99, 0.15, 0.00
HSL	309°, 100%, 51%
HSV	309°, 99%, 100%
XYZ	53.9357, 26.3871, 68.5886
YIQ	102.8580, 81.1770, 120.2890

Conversions

Conversions Part 2

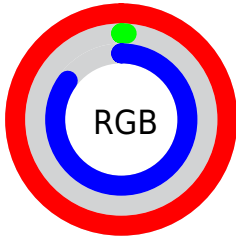
Format	Color
R _Y B	255, 3, 218
Decimal	16712666
CIE Lab	58.40, 93.25, -43.17
CIE LCh	58, 102.756, 335.161
Yxy	26.3871, 0.3622, 0.1772
Android (android.graphics.Color)	4294902746 (0xFFFF03DA)
YUV	102.8580, 56.7650, 133.4285
Hunter-Lab	51.3684, 97.5266, -43.2079

Details

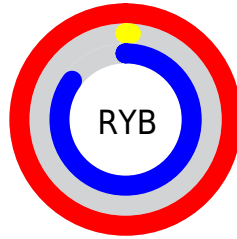
The Yxy color **26.3871, 0.3622, 0.1772** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6898, 0.2970, 0.5887**, and the grayscale version is **13.3238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **13.9461, 0.3664, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **26.3011, 0.3627, 0.1772**, and if you desaturate by 10%, it is **27.3656, 0.3571, 0.1783**.

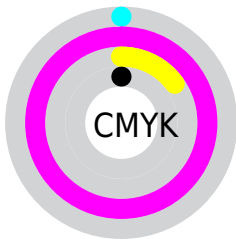
Distribution



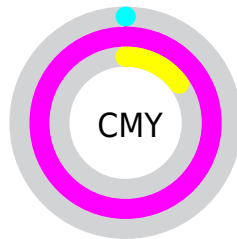
- Red (100%)
- Green (1%)
- Blue (85%)



- Red (100%)
- Yellow (1%)
- Blue (85%)



- Cyan (0%)
- Magenta (99%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (99%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3871, 0.3622, 0.1772 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 26.3871, 0.3622, 0.1772 by changing the saturation by 10% instead.


 26.3871, 0.3622,
0.1772


 26.3871, 0.3622,
0.1772

284.6772, 0.3406,
0.2473


 17.1135, 0.3665,
0.1618


 53.8988, 0.3551,
0.2012

 10.3154, 0.3715,
0.1432


 72.9056, 0.3523,
0.2106

 5.6086, 0.3771,
0.1206


 95.9256, 0.3497,
0.2188

 2.6086, 0.3831,
0.0933

 123.3432, 0.3475,
0.2260

 0.9310, 0.3883,
0.0608

 155.5427, 0.3455,
0.2323

 0.0000, 0.3997,
0.0000

192.9087, 0.3437,

 0.0000, 0.3765,

0.2379

0.0000

235.8253, 0.3421,
0.2429

■ 0.0000, 0.0092,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 26.3871, 0.3622,
0.1772

■ 26.3871, 0.3622,
0.1772

■ 26.3011, 0.3627,
0.1772

■ 27.3656, 0.3571,
0.1783

■ 29.3431, 0.3517,
0.1836

■ 32.5657, 0.3460,
0.1935

■ 37.2044, 0.3402,
0.2076

43.4032, 0.3346,
0.2251

51.2886, 0.3292,
0.2451

60.9739, 0.3243,
0.2665

72.5627, 0.3198,
0.2885

86.1507, 0.3158,
0.3103

Harmonies

Analogous

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



26.3871, 0.2102, 0.1331



26.3871, 0.3622, 0.1772



26.3871, 0.5385, 0.2468

Triad

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



26.3871, 0.3622, 0.1772



26.3871, 0.4654, 0.5346



26.3871, 0.0799, 0.2092

Complementary

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



26.3871, 0.3622, 0.1772



71.6898, 0.2970, 0.5887

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.



26.3871, 0.1136, 0.3786



26.3871, 0.3622, 0.1772



26.3871, 0.3304, 0.6409

Square

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



26.3871, 0.3622, 0.1772



26.3871, 0.5765, 0.4153



26.3871, 0.2046, 0.6035



26.3871, 0.0853, 0.1384

Rectangle

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



26.3871, 0.3622, 0.1772



26.3871, 0.6086, 0.2983



26.3871, 0.2046, 0.6035



26.3871, 0.0858, 0.2523

Sweetspot

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



26.3834, 0.3622, 0.1772



59.8185, 0.3248, 0.2641



7.6636, 0.1548, 0.0630



11.8997, 0.3269, 0.2550



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.



26.3834, 0.3622, 0.1772



26.3011, 0.3627, 0.1772



22.1520, 0.5530, 0.2826



18.2519, 0.3161, 0.3090



13.7604, 0.3619, 0.1767



1.3517, 0.3565, 0.1738

Inverse Universe

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



26.3834, 0.3622, 0.1772



26.3011, 0.3627, 0.1772



74.1655, 0.2598, 0.4549



18.2519, 0.3161, 0.3090



13.7604, 0.3619, 0.1767



1.3517, 0.3565, 0.1738

Previews

White Background



This preview shows how the Yxy color 26.3871, 0.3622, 0.1772 looks on a white background.

Color Contrast Check

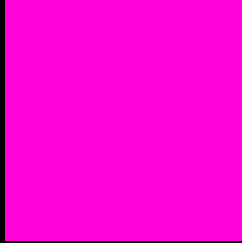
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3871, 0.3622, 0.1772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

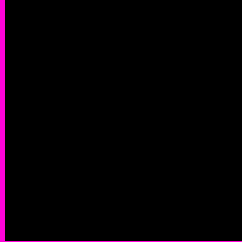
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3871, 0.3622, 0.1772

Background



This preview shows how black text looks on a background with the Yxy color 26.3871, 0.3622, 0.1772.



This preview shows how white text looks on a background with the Yxy color 26.3871, 0.3622, 0.1772.

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

26.3871, 0.3622, 0.1772

Protanopia

27.2360, 0.1966, 0.1744

Deuteranopia

26.8769, 0.2380, 0.2318



Tritanopia

26.6440, 0.5188, 0.3251

Trichromacy



Original Color

26.3871, 0.3622, 0.1772



Protanomaly

19.6666, 0.2291, 0.1433



Deuteranomaly

20.1810, 0.2724, 0.1761



Tritanomaly

24.5909, 0.4685, 0.2581

Monochromacy



Original Color

26.3871, 0.3622, 0.1772



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.3277, 0.3379, 0.2123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3871, 0.3622, 0.1772 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(255, 3, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 218)  
}
```

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(255, 3, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 218) }
```

Border

The CSS property to change the border of an element to Yxy 26.3871, 0.3622, 0.1772 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(255, 3, 218) }
```

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

```
.border{ border-color:rgb(255, 3, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 3, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 3,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3871, 0.3622, 0.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 218) }
```

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

```
.background{ background-color: rgb(255, 3,  
218) }
```

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