

Converting Colors

$Yxy(22.8231, 0.4182, 0.2077)$

Have a look what the booklet for
Yxy(22.8231, 0.4182, 0.2077)
contains.

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Color

Yxy(22.7527, 0.4181, 0.2077)

Conversions

Conversions Part 1

Format	Color
Hex	F700AC
RGB	247, 0, 172
RGB Percent	97%, 0%, 67%
CMY	0.0314, 0.9995, 0.3256
CMYK	0.00, 1.00, 0.30, 0.03
HSL	318°, 100%, 48%
HSV	318°, 100%, 97%
XYZ	45.8012, 22.7527, 40.9921
YIQ	93.4610, 92.0000, 105.8560

Conversions

Conversions Part 2

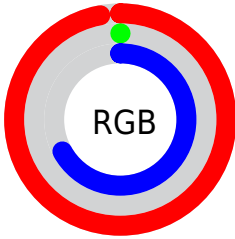
Format	Color
RYB	247, 0, 172
Decimal	16187564
CIELab	54.82, 86.75, -22.32
CIELCh	55, 89.577, 345.574
Yxy	22.7527, 0.4181, 0.2077
Android (android.graphics.Color)	4294377644 (0xFFFF700AC)
YUV	93.4610, 38.7197, 134.6537
Hunter-Lab	47.6998, 87.9205, -17.5626

Details

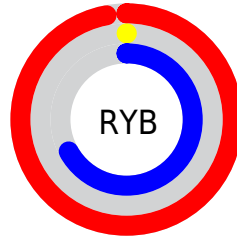
The Yxy color **22.7527, 0.4181, 0.2077** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **67.0312, 0.2893, 0.5615**, and the grayscale version is **10.9689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9758, 0.3457, 0.2080**, and **11.6704, 0.4344, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **22.7496, 0.4182, 0.2077**, and if you desaturate by 10%, it is **23.7357, 0.4055, 0.2053**.

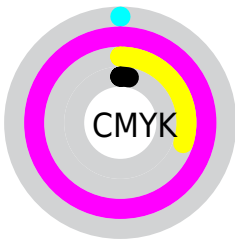
Distribution



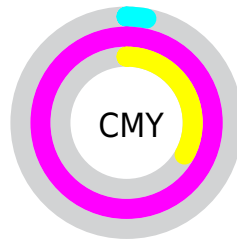
- Red (97%)
- Green (0%)
- Blue (67%)



- Red (97%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7527, 0.4181, 0.2077 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 22.7527, 0.4181, 0.2077 by changing the saturation by 10% instead.


 22.7527, 0.4181,
0.2077


 22.7527, 0.4181,
0.2077


266.4523, 0.3632,
0.2683


 14.4110, 0.4323,
0.1929


 47.9869, 0.3977,
0.2295


 8.4071, 0.4508,
0.1743


 65.6483, 0.3902,
0.2378


 4.3565, 0.4756,
0.1503


 87.1850, 0.3839,
0.2448

 1.8749, 0.5105,
0.1189

 112.9814, 0.3785,
0.2508

 0.5332, 0.5650,
0.0721

 143.4219, 0.3739,
0.2561

 0.0000, 0.6585,
0.0000

178.8910, 0.3699,

 0.0000, 1.0000,

0.2606

0.0000

219.7730, 0.3663,
0.2647

■ 0.0000, 0.0000,
0.0000

■ 22.7527, 0.4181,
0.2077

■ 22.7527, 0.4181,
0.2077

■ 22.7496, 0.4182,
0.2077

■ 23.7357, 0.4055,
0.2053

■ 25.6020, 0.3925,
0.2074

■ 28.6190, 0.3794,
0.2145

■ 32.9480, 0.3667,
0.2259

■ 38.7245, 0.3547,
0.2406

■ 46.0669, 0.3439,
0.2575

■ 55.0815, 0.3343,
0.2755

■ 65.8651, 0.3259,
0.2938

■ 78.5071, 0.3188,
0.3118

Harmonies

Analogous

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



22.7527, 0.2605, 0.1549



22.7527, 0.4181, 0.2077



22.7527, 0.5619, 0.2801

Triad

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



22.7527, 0.4181, 0.2077



22.7527, 0.4202, 0.5655



22.7527, 0.0895, 0.1876

Complementary

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



22.7527, 0.4181, 0.2077



67.0312, 0.2893, 0.5615

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.



22.7527, 0.1090, 0.3107



22.7527, 0.4181, 0.2077



22.7527, 0.2943, 0.6271

Square

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



22.7527, 0.4181, 0.2077



22.7527, 0.5343, 0.4549



22.7527, 0.1794, 0.5147



22.7527, 0.1050, 0.1388

Rectangle

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



22.7527, 0.4181, 0.2077



22.7527, 0.5998, 0.3321



22.7527, 0.1794, 0.5147



22.7527, 0.0915, 0.2182

Sweetspot

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



22.7540, 0.4181, 0.2077



59.1121, 0.3344, 0.2753



8.1815, 0.1687, 0.0703



11.7296, 0.3383, 0.2677



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.



22.7540, 0.4181, 0.2077



24.4543, 0.4184, 0.2078



20.0026, 0.6111, 0.3140



16.6775, 0.3185, 0.3127



12.0582, 0.4161, 0.2066



1.0780, 0.4013, 0.1984

Inverse Universe

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



22.7540, 0.4181, 0.2077



24.4543, 0.4184, 0.2078



70.5809, 0.2432, 0.3954



16.6775, 0.3185, 0.3127



12.0582, 0.4161, 0.2066



1.0780, 0.4013, 0.1984

Previews

White Background



This preview shows how the Yxy color 22.7527, 0.4181, 0.2077 looks on a white background.

Color Contrast Check

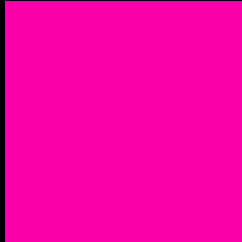
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7527, 0.4181, 0.2077 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 22.7527, 0.4181, 0.2077

Background



This preview shows how black text looks on a background with the Yxy color 22.7527, 0.4181, 0.2077.



This preview shows how white text looks on a background with the Yxy color 22.7527, 0.4181, 0.2077.

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

22.7527, 0.4181, 0.2077

Protanopia

23.7096, 0.1930, 0.1690

Deuteranopia

23.3638, 0.2827, 0.2778



Tritanopia

23.1144, 0.5543, 0.3273

Trichromacy



Original Color

22.7527, 0.4181, 0.2077



Protanomaly

16.3308, 0.2342, 0.1481



Deuteranomaly

17.7874, 0.3287, 0.2156



Tritanomaly

21.8652, 0.5152, 0.2779

Monochromacy



Original Color

22.7527, 0.4181, 0.2077



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.1209, 0.3654, 0.2295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7527, 0.4181, 0.2077 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(247, 0, 172)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 172)  
}
```

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(247, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.7527, 0.4181, 0.2077 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(247, 0, 172) }
```

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

```
.border{ border-color:rgb(247, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7527, 0.4181, 0.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 172) }
```

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

```
.background{ background-color: rgb(247, 0,  
172) }
```

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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