

Converting Colors

Yxy(22.9907, 0.4115, 0.2041)

Have a look what the booklet for
Yxy(22.9907, 0.4115, 0.2041)
contains.

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Color

Yxy(22.9087, 0.4118, 0.2042)

Conversions

Conversions Part 1

Format	Color
Hex	F700B0
RGB	247, 0, 176
RGB Percent	97%, 0%, 69%
CMY	0.0313, 1.0000, 0.3097
CMYK	0.00, 1.00, 0.29, 0.03
HSL	317°, 100%, 48%
HSV	317°, 100%, 97%
XYZ	46.1988, 22.9087, 43.0800
YIQ	93.9170, 90.7160, 107.1000

Conversions

Conversions Part 2

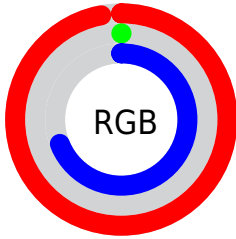
Format	Color
R_{YB}	247, 0, 176
Decimal	16187568
CIE _{Lab}	54.98, 87.19, -24.45
CIE _{LCh}	55, 90.551, 344.335
Yxy	22.9087, 0.4118, 0.2042
Android (android.graphics.Color)	4294377648 (0xFFFF700B0)
YUV	93.9170, 40.4669, 134.2538
Hunter-Lab	47.8630, 88.5333, -19.8610

Details

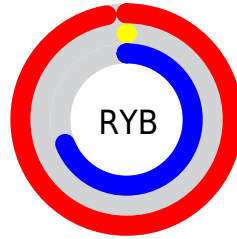
The Yxy color **22.9087, 0.4118, 0.2042** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **66.9803, 0.2904, 0.5655**, and the grayscale version is **11.0609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2005, 0.3416, 0.2049**, and **11.7443, 0.4281, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **22.9115, 0.4118, 0.2042**, and if you desaturate by 10%, it is **23.8824, 0.4001, 0.2022**.

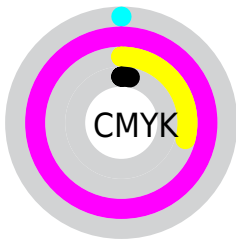
Distribution



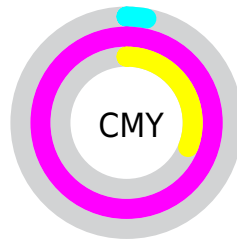
- Red (97%)
- Green (0%)
- Blue (69%)



- Red (97%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9087, 0.4118, 0.2042 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 22.9087, 0.4118, 0.2042 by changing the saturation by 10% instead.

 22.9087, 0.4118,
0.2042


 22.9087, 0.4118,
0.2042


267.2557, 0.3607,
0.2661


 14.5261, 0.4249,
0.1893


 48.2434, 0.3930,
0.2264

 8.4875, 0.4417,
0.1705


 65.9642, 0.3860,
0.2348

 4.4084, 0.4642,
0.1466


 87.5666, 0.3801,
0.2420

 1.9046, 0.4954,
0.1154

 113.4350, 0.3751,
0.2482

 0.5511, 0.5432,
0.0703

 143.9537, 0.3707,
0.2535

 0.0000, 0.6249,
0.0000

179.5071, 0.3670,

 0.0000, 1.0000,

0.2582

0.0000

220.4797, 0.3636,
0.2624

■ 0.0000, 0.0000,
0.0000

■ 22.9087, 0.4118,
0.2042

■ 22.9087, 0.4118,
0.2042

■ 22.9115, 0.4118,
0.2042

■ 23.8824, 0.4001,
0.2022

■ 25.7336, 0.3880,
0.2046

■ 28.7329, 0.3757,
0.2120

■ 33.0418, 0.3639,
0.2237

■ 38.7959, 0.3527,
0.2387

■ 46.1137, 0.3424,
0.2559

■ 55.1015, 0.3333,
0.2742

■ 65.8560, 0.3254,
0.2929

■ 78.4667, 0.3185,
0.3113

Harmonies

Analogous

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



22.9087, 0.2545, 0.1523



22.9087, 0.4118, 0.2042



22.9087, 0.5597, 0.2764

Triad

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



22.9087, 0.4118, 0.2042



22.9087, 0.4255, 0.5624



22.9087, 0.0884, 0.1898

Complementary

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



22.9087, 0.4118, 0.2042



66.9803, 0.2904, 0.5655

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.



22.9087, 0.1095, 0.3176



22.9087, 0.4118, 0.2042



22.9087, 0.2987, 0.6298

Square

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



22.9087, 0.4118, 0.2042



22.9087, 0.5391, 0.4504



22.9087, 0.1824, 0.5248



22.9087, 0.1027, 0.1387

Rectangle

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



22.9087, 0.4118, 0.2042



22.9087, 0.6011, 0.3282



22.9087, 0.1824, 0.5248



22.9087, 0.0909, 0.2217

Sweetspot

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



22.9115, 0.4118, 0.2042



59.1845, 0.3334, 0.2741



8.0174, 0.1667, 0.0692



11.7470, 0.3371, 0.2663



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.



22.9115, 0.4118, 0.2042



24.6264, 0.4120, 0.2043



20.0373, 0.6068, 0.3116



16.6824, 0.3182, 0.3123



12.1421, 0.4099, 0.2032



1.0849, 0.3961, 0.1956

Inverse Universe

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



22.9115, 0.4118, 0.2042



24.6264, 0.4120, 0.2043



70.3979, 0.2448, 0.4013



16.6824, 0.3182, 0.3123



12.1421, 0.4099, 0.2032



1.0849, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 22.9087, 0.4118, 0.2042 looks on a white background.

Color Contrast Check

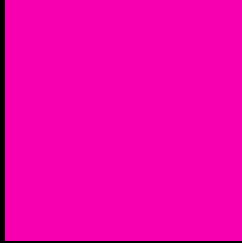
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9087, 0.4118, 0.2042 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 22.9087, 0.4118, 0.2042

Background



This preview shows how black text looks on a background with the Yxy color 22.9087, 0.4118, 0.2042.



This preview shows how white text looks on a background with the Yxy color 22.9087, 0.4118, 0.2042.

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

22.9087, 0.4118, 0.2042

Protanopia

23.8588, 0.1891, 0.1636

Deuteranopia

23.3914, 0.2789, 0.2731



Tritanopia

23.2625, 0.5511, 0.3265

Trichromacy



Original Color

22.9087, 0.4118, 0.2042



Protanomaly

16.3219, 0.2267, 0.1424



Deuteranomaly

17.8979, 0.3248, 0.2122



Tritanomaly

21.9818, 0.5116, 0.2765

Monochromacy



Original Color

22.9087, 0.4118, 0.2042



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.1710, 0.3618, 0.2266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9087, 0.4118, 0.2042 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.9087, 0.4118, 0.2042 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, 176) }
```

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

```
.border{ border-color:rgb(247, 0, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9087, 0.4118, 0.2042 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, 176) }
```

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

```
.background{ background-color: rgb(247, 0,  
176) }
```

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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