

Converting Colors

$Y_{xy}(46.2885, 0.3168, 0.2236)$

Have a look what the booklet for
Yxy(46.2885, 0.3168, 0.2236)
contains.

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Color

Yxy(46.1420, 0.3168, 0.2232)

Conversions

Conversions Part 1

Format	Color
Hex	F88EF9
RGB	248, 142, 249
RGB Percent	97%, 56%, 98%
CMY	0.0274, 0.4432, 0.0234
CMYK	0.00, 0.43, 0.00, 0.02
HSL	299°, 90%, 77%
HSV	299°, 43%, 98%
XYZ	65.4919, 46.1420, 95.0955
YIQ	185.8920, 28.8290, 55.7490

Conversions

Conversions Part 2

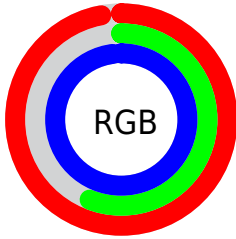
Format	Color
R _Y B	248, 142, 249
Decimal	16289529
CIE Lab	73.64, 55.26, -36.63
CIE LCh	74, 66.293, 326.461
Yxy	46.1420, 0.3168, 0.2232
Android (android.graphics.Color)	4294479609 (0xFFFF88EF9)
YUV	185.8920, 31.1122, 54.4687
Hunter-Lab	67.9279, 53.2248, -35.4534

Details

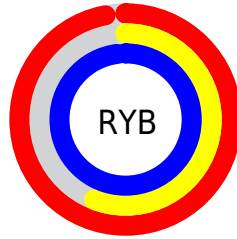
The Yxy color **46.1420, 0.3168, 0.2232** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.5570, 0.3070, 0.4630**, and the grayscale version is **48.8504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **21.7324, 0.3164, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **39.5017, 0.3175, 0.2019**, and if you desaturate by 10%, it is **54.4414, 0.3159, 0.2468**.

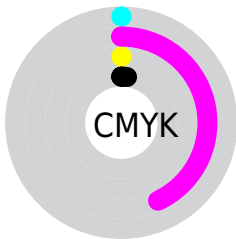
Distribution



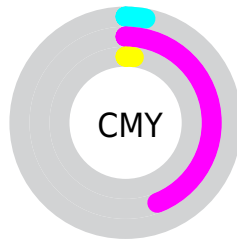
- Red (97%)
- Green (56%)
- Blue (98%)



- Red (97%)
- Yellow (56%)
- Blue (98%)



- Cyan (0%)
- Magenta (43%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (44%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1420, 0.3168, 0.2232 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 46.1420, 0.3168, 0.2232 by changing the saturation by 10% instead.


 46.1420, 0.3168,
0.2232


 46.1420, 0.3168,
0.2232


371.3792, 0.3166,
0.2709

 32.3579, 0.3164,
0.2127


 84.4315, 0.3171,
0.2394

 21.6350, 0.3157,
0.2001


 109.7056, 0.3171,
0.2458

 13.5890, 0.3145,
0.1845

139.5786, 0.3171,
0.2514

 7.8353, 0.3122,
0.1649

174.4347, 0.3170,
0.2563

 3.9898, 0.3082,
0.1399

214.6585, 0.3169,
0.2606

 1.6678, 0.3003,
0.1075

260.6342, 0.3168,

 0.4027, 0.2871,

0.2644

312.7463, 0.3167,
0.2678

0.0555

0.0000, 0.2485,
0.0000

0.0000, 0.0000,
0.0000

46.1420, 0.3168,
0.2232

46.1420, 0.3168,
0.2232

39.5017, 0.3175,
0.2019

54.4414, 0.3159,
0.2468

34.4028, 0.3181,
0.1839

64.4950, 0.3150,
0.2716

30.7222, 0.3185,
0.1699

76.3979, 0.3140,
0.2969

28.3150, 0.3187,
0.1602

90.2368, 0.3130,
0.3218

27.0056, 0.3186,
0.1547

98.5351, 0.3125,
0.3348

26.5602, 0.3186,
0.1529

98.5779, 0.3127,
0.3348

98.6208, 0.3128,
0.3348

98.6637, 0.3130,
0.3348

98.7067, 0.3131,
0.3348

Harmonies

Analogous

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



46.1420, 0.2337, 0.1972



46.1420, 0.3168, 0.2232



46.1420, 0.4122, 0.2699

Triad

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



46.1420, 0.3168, 0.2232



46.1420, 0.4490, 0.4577



46.1420, 0.1687, 0.2927

Complementary

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



46.1420, 0.3168, 0.2232



75.5570, 0.3070, 0.4630

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.



46.1420, 0.2125, 0.3928



46.1420, 0.3168, 0.2232



46.1420, 0.3738, 0.4992

Square

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



46.1420, 0.3168, 0.2232



46.1420, 0.4918, 0.3943



46.1420, 0.2873, 0.4803



46.1420, 0.1592, 0.2258

Rectangle

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



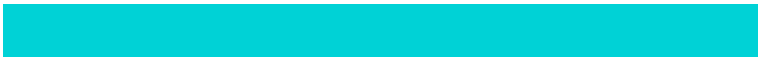
46.1420, 0.3168, 0.2232



46.1420, 0.4634, 0.3087



46.1420, 0.2873, 0.4803



46.1420, 0.1794, 0.3236

Sweetspot

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



46.1440, 0.3168, 0.2232



80.5842, 0.3140, 0.2968



32.4680, 0.2321, 0.1973



16.6175, 0.3142, 0.2912



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.



46.1440, 0.3168, 0.2232



42.2633, 0.3175, 0.2038



43.5308, 0.3663, 0.2709



17.5158, 0.3137, 0.3056



14.2180, 0.3186, 0.1529



1.3194, 0.3189, 0.1530

Inverse Universe

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



41.4691, 0.4251, 0.3283



36.7236, 0.4635, 0.3282



77.3980, 0.2806, 0.3968



17.2278, 0.3293, 0.3288



10.7844, 0.6391, 0.3294



0.9997, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 46.1420, 0.3168, 0.2232 looks on a white background.

Color Contrast Check

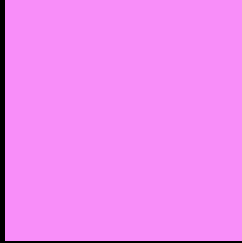
Large Text (above 18pt) WCAG AA × Fail

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 46.1420, 0.3168, 0.2232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

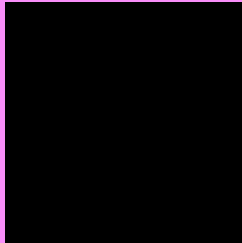
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1420, 0.3168, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 46.1420, 0.3168, 0.2232.



This preview shows how white text looks on a background with the Yxy color 46.1420, 0.3168, 0.2232.

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

46.1420, 0.3168, 0.2232

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.6503, 0.2579, 0.2524



Tritanopia

45.9137, 0.3783, 0.3157

Trichromacy



Original Color

46.1420, 0.3168, 0.2232



Protanomaly

45.3114, 0.2673, 0.2302



Deuteranomaly

45.4671, 0.2763, 0.2387



Tritanomaly

45.7832, 0.3558, 0.2793

Monochromacy



Original Color

46.1420, 0.3168, 0.2232



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

46.9082, 0.3149, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1420, 0.3168, 0.2232 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(248, 142, 249)` looks like.

```
.text, #text, p{  
    color:rgb(248, 142, 249)  
}
```

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(248, 142, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 142, 249) }
```

Border

The CSS property to change the border of an element to Yxy 46.1420, 0.3168, 0.2232 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(248, 142, 249) }
```

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

```
.border{ border-color:rgb(248, 142, 249) }
```

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

Here you see how a box with a 4 pixel rgb(248, 142, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 142, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 142, 249);  
box-shadow:4px 4px 4px 4px rgb(248, 142,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1420, 0.3168, 0.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 142, 249) }
```

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

```
.background{ background-color: rgb(248,  
142, 249) }
```

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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