

Converting Colors

$Y_{xy}(22.8770, 0.4652, 0.2336)$

Have a look what the booklet for
Yxy(22.8770, 0.4652, 0.2336)
contains.

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Color

Yxy(22.8020, 0.4642, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	FC0093
RGB	252, 0, 147
RGB Percent	99%, 0%, 58%
CMY	0.0118, 0.9994, 0.4235
CMYK	0.00, 1.00, 0.42, 0.01
HSL	325°, 100%, 49%
HSV	325°, 100%, 99%
XYZ	45.4084, 22.8020, 29.6103
YIQ	92.1060, 103.0050, 99.1410

Conversions

Conversions Part 2

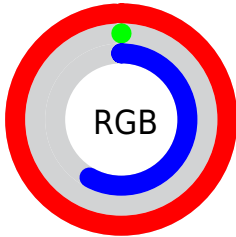
Format	Color
R_{YB}	252, 0, 147
Decimal	16515219
CIE _{Lab}	54.87, 85.41, -7.39
CIE _{LCh}	55, 85.728, 355.055
Yxy	22.8020, 0.4642, 0.2331
Android (android.graphics.Color)	4294705299 (0xFFFC0093)
YUV	92.1060, 27.0627, 140.2270
Hunter-Lab	47.7514, 86.1763, -3.3393

Details

The Yxy color **22.8020, 0.4642, 0.2331** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **70.6382, 0.2808, 0.5308**, and the grayscale version is **10.6677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5914, 0.3759, 0.2308**, and **11.6819, 0.4906, 0.2477** is the 20% darker color. If you saturate the color by 10%, you get **22.7980, 0.4643, 0.2331**, and if you desaturate by 10%, it is **23.8555, 0.4451, 0.2277**.

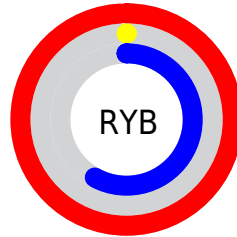
Distribution



Red (99%)

Green (0%)

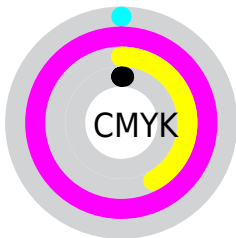
Blue (58%)



Red (99%)

Yellow (0%)

Blue (58%)

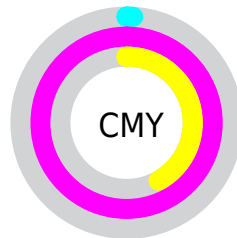


Cyan (0%)

Magenta (100%)

Yellow (42%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8020, 0.4642, 0.2331 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 22.8020, 0.4642, 0.2331 by changing the saturation by 10% instead.


 22.8020, 0.4642,
0.2331


 22.8020, 0.4642,
0.2331


266.7064, 0.3821,
0.2837


 14.4474, 0.4866,
0.2198


 48.0680, 0.4329,
0.2520


 8.4325, 0.5164,
0.2025


 65.7482, 0.4216,
0.2590

 4.3729, 0.5576,
0.1792


 87.3057, 0.4122,
0.2648

 1.8843, 0.6173,
0.1467

 113.1248, 0.4042,
0.2697

 0.5389, 0.7132,
0.0937

 143.5901, 0.3975,
0.2740

 0.0000, 1.0000,
0.0000

179.0858, 0.3916,

 0.0000, 0.0000,

0.2776

0.0000

219.9965, 0.3865,
0.2809

■ 22.8020, 0.4642,
0.2331

■ 22.8020, 0.4642,
0.2331

■ 22.7980, 0.4643,
0.2331

■ 23.8555, 0.4451,
0.2277

■ 25.8496, 0.4254,
0.2273

■ 29.0631, 0.4058,
0.2322

■ 33.6660, 0.3871,
0.2414

■ 39.8012, 0.3699,
0.2539

■ 47.5934, 0.3547,
0.2683

■ 57.1546, 0.3414,
0.2838

■ 68.5870, 0.3301,
0.2994

■ 81.9848, 0.3206,
0.3146

Harmonies

Analogous

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



22.8020, 0.3066, 0.1733



22.8020, 0.4642, 0.2331



22.8020, 0.5764, 0.3074

Triad

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



22.8020, 0.4642, 0.2331



22.8020, 0.3818, 0.5872



22.8020, 0.0966, 0.1719

Complementary

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



22.8020, 0.4642, 0.2331



70.6382, 0.2808, 0.5308

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.



22.8020, 0.1046, 0.2652



22.8020, 0.4642, 0.2331



22.8020, 0.2603, 0.5999

Square

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



22.8020, 0.4642, 0.2331



22.8020, 0.4983, 0.4880



22.8020, 0.1574, 0.4428



22.8020, 0.1223, 0.1384

Rectangle

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



22.8020, 0.4642, 0.2331



22.8020, 0.5895, 0.3605



22.8020, 0.1574, 0.4428



22.8020, 0.0953, 0.1946

Sweetspot

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



22.8033, 0.4642, 0.2331



58.6336, 0.3415, 0.2836



10.0394, 0.1854, 0.0795



11.6154, 0.3469, 0.2771



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.



22.8033, 0.4642, 0.2331



23.4200, 0.4644, 0.2332



20.7515, 0.6330, 0.3261



17.3950, 0.3202, 0.3153



11.9069, 0.4613, 0.2315



1.1239, 0.4398, 0.2197

Inverse Universe

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



22.8033, 0.4642, 0.2331



23.4200, 0.4644, 0.2332



75.3850, 0.2320, 0.3553



17.3950, 0.3202, 0.3153



11.9069, 0.4613, 0.2315



1.1239, 0.4398, 0.2197

Previews

White Background



This preview shows how the Yxy color 22.8020, 0.4642, 0.2331 looks on a white background.

Color Contrast Check

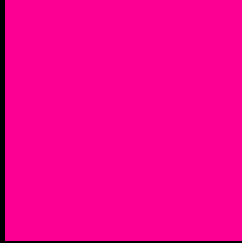
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8020, 0.4642, 0.2331 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 22.8020, 0.4642, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 22.8020, 0.4642, 0.2331.



This preview shows how white text looks on a background with the Yxy color 22.8020, 0.4642, 0.2331.

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

22.8020, 0.4642, 0.2331

Protanopia

23.4932, 0.2221, 0.2069

Deuteranopia

23.4074, 0.3226, 0.3173



Tritanopia

23.1265, 0.5779, 0.3285

Trichromacy



Original Color

22.8020, 0.4642, 0.2331



Protanomaly

16.9855, 0.2818, 0.1835



Deuteranomaly

17.9953, 0.3782, 0.2495



Tritanomaly

22.2356, 0.5473, 0.2921

Monochromacy



Original Color

22.8020, 0.4642, 0.2331



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.7818, 0.3847, 0.2431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8020, 0.4642, 0.2331 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(252, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 147)  
}
```

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(252, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 147) }
```

Border

The CSS property to change the border of an element to Yxy 22.8020, 0.4642, 0.2331 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(252, 0, 147) }
```

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

```
.border{ border-color:rgb(252, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8020, 0.4642, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 147) }
```

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

```
.background{ background-color: rgb(252, 0,  
147) }
```

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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