

Converting Colors

$Y_{xy}(22.7399, 0.2911, 0.1377)$

Have a look what the booklet for
Yxy(22.7399, 0.2911, 0.1377)
contains.

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Color

Yxy(22.7163, 0.2915, 0.1380)

Conversions

Conversions Part 1

Format	Color
Hex	DF01FC
RGB	223, 1, 252
RGB Percent	87%, 0%, 99%
CMY	0.1257, 0.9978, 0.0120
CMYK	0.12, 1.00, 0.00, 0.01
HSL	293°, 100%, 50%
HSV	293°, 100%, 99%
XYZ	47.9841, 22.7163, 93.9105
YIQ	95.9920, 51.7410, 125.1250

Conversions

Conversions Part 2

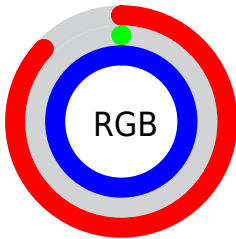
Format	Color
R _Y B	223, 1, 252
Decimal	14615036
CIE Lab	54.78, 93.05, -68.34
CIE LCh	55, 115.450, 323.702
Yxy	22.7163, 0.2915, 0.1380
Android (android.graphics.Color)	4292805116 (0xFFDF01FC)
YUV	95.9920, 76.9119, 111.3860
Hunter-Lab	47.6616, 96.2998, -83.4595

Details

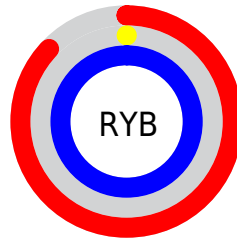
The Yxy color **22.7163, 0.2915, 0.1380** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **69.8609, 0.3024, 0.5980**, and the grayscale version is **11.4248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.5764, 0.2794, 0.1313** is the 20% darker color. If you saturate the color by 10%, you get **22.6952, 0.2914, 0.1379**, and if you desaturate by 10%, it is **23.8985, 0.2945, 0.1429**.

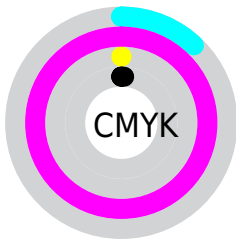
Distribution



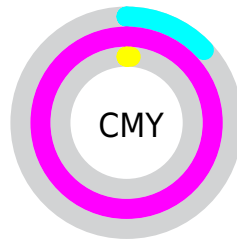
- Red (87%)
- Green (0%)
- Blue (99%)



- Red (87%)
- Yellow (0%)
- Blue (99%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)




- Cyan (13%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7163, 0.2915, 0.1380 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 22.7163, 0.2915, 0.1380 by changing the saturation by 10% instead.


 22.7163, 0.2915,
0.1380


 22.7163, 0.2915,
0.1380


266.2645, 0.3085,
0.2224


 14.3842, 0.2858,
0.1208


 47.9271, 0.2989,
0.1658

 8.3883, 0.2779,
0.1010


 65.5745, 0.3013,
0.1771

 4.3444, 0.2666,
0.0784


 87.0958, 0.3032,
0.1870

 1.8680, 0.2500,
0.0534

 112.8754, 0.3047,
0.1958

 0.5291, 0.2254,
0.0258

 143.2977, 0.3060,
0.2036

 0.0000, 0.1876,
0.0000

178.7470, 0.3070,

 0.0000, 0.1270,

0.2105

0.0000

219.6078, 0.3078,
0.2168

■ 0.0000, 0.0000,
0.0000

■ 22.7163, 0.2915,
0.1380

■ 22.7163, 0.2915,
0.1380

■ 22.6952, 0.2914,
0.1379

■ 23.8985, 0.2945,
0.1429

■ 26.0069, 0.2975,
0.1518

■ 29.3137, 0.3004,
0.1651

■ 33.9874, 0.3031,
0.1827

■ 40.1700, 0.3055,
0.2039

■ 47.9853, 0.3076,
0.2277

■ 57.5445, 0.3094,
0.2531

■ 68.9489, 0.3108,
0.2791

■ 82.2920, 0.3119,
0.3048

Harmonies

Analogous

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



22.7163, 0.1525, 0.1049



22.7163, 0.2915, 0.1380



22.7163, 0.5013, 0.2024

Triad

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



22.7163, 0.2915, 0.1380



22.7163, 0.5178, 0.4822



22.7163, 0.0642, 0.2422

Complementary

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



22.7163, 0.2915, 0.1380



69.8609, 0.3024, 0.5980

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.



22.7163, 0.1146, 0.4964



22.7163, 0.2915, 0.1380



22.7163, 0.3668, 0.6332

Square

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



22.7163, 0.2915, 0.1380



22.7163, 0.6344, 0.3640



22.7163, 0.2260, 0.7083



22.7163, 0.0600, 0.1350

Rectangle

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



22.7163, 0.2915, 0.1380



22.7163, 0.6171, 0.2538



22.7163, 0.2260, 0.7083



22.7163, 0.0742, 0.3089

Sweetspot

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



22.7173, 0.2915, 0.1380



58.8846, 0.3093, 0.2525



7.9514, 0.1520, 0.0670



11.6724, 0.3086, 0.2417



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.



22.7173, 0.2915, 0.1380



23.3215, 0.2914, 0.1379



23.0845, 0.4498, 0.2253



17.4170, 0.3119, 0.3055



11.8692, 0.2920, 0.1382



1.1272, 0.2956, 0.1402

Inverse Universe

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



20.7899, 0.6283, 0.3236



21.3508, 0.6288, 0.3238



70.4556, 0.2835, 0.5405



17.2578, 0.3276, 0.3263



10.8375, 0.6262, 0.3223



1.0139, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 22.7163, 0.2915, 0.1380 looks on a white background.

Color Contrast Check

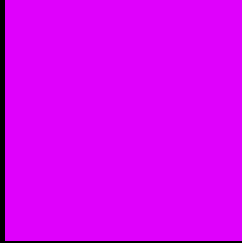
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7163, 0.2915, 0.1380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

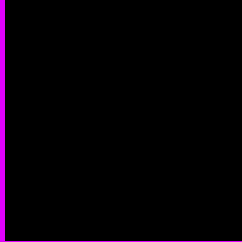
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7163, 0.2915, 0.1380

Background



This preview shows how black text looks on a background with the Yxy color 22.7163, 0.2915, 0.1380.



This preview shows how white text looks on a background with the Yxy color 22.7163, 0.2915, 0.1380.

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

22.7380, 0.2915, 0.1381

Protanopia

23.4706, 0.1841, 0.1580

Deuteranopia

23.3842, 0.1850, 0.1785



Tritanopia

22.9434, 0.4506, 0.3207

Trichromacy



Original Color

22.7380, 0.2915, 0.1381



Protanomaly

16.9033, 0.2000, 0.1203



Deuteranomaly

15.5045, 0.1937, 0.1235



Tritanomaly

20.0553, 0.3907, 0.2227

Monochromacy



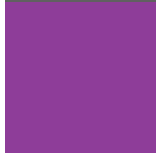
Original Color

22.7380, 0.2915, 0.1381



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.3882, 0.3029, 0.1857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7163, 0.2915, 0.1380 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(223, 1, 252)` looks like.

```
.text, #text, p{  
    color:rgb(223, 1, 252)  
}
```

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(223, 1, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 1, 252) }
```

Border

The CSS property to change the border of an element to Yxy 22.7163, 0.2915, 0.1380 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(223, 1, 252) }
```

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

```
.border{ border-color:rgb(223, 1, 252) }
```

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

Here you see how a box with a 4 pixel rgb(223, 1, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 1, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 1, 252);  
box-shadow:4px 4px 4px 4px rgb(223, 1,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7163, 0.2915, 0.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 1, 252) }
```

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

```
.background{ background-color: rgb(223, 1,  
252) }
```

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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