

Converting Colors

$Y_{xy}(23.1329, 0.2880, 0.1376)$

Have a look what the booklet for
Yxy(23.1329, 0.2880, 0.1376)
contains.

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Color

Yxy(23.0912, 0.2878, 0.1375)

Conversions

Conversions Part 1

Format	Color
Hex	DE0FFF
RGB	222, 15, 255
RGB Percent	87%, 6%, 100%
CMY	0.1296, 0.9399, 0.0000
CMYK	0.13, 0.94, 0.00, 0.00
HSL	292°, 100%, 53%
HSV	292°, 94%, 100%
XYZ	48.3320, 23.0912, 96.5128
YIQ	104.2530, 46.3320, 118.5240

Conversions

Conversions Part 2

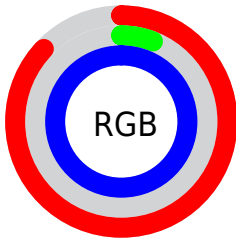
Format	Color
R _Y B	222, 15, 255
Decimal	14553087
CIE Lab	55.17, 92.34, -69.42
CIE LCh	55, 115.522, 323.064
Yxy	23.0912, 0.2878, 0.1375
Android (android.graphics.Color)	4292743167 (0xFFDE0FFF)
YUV	104.2530, 74.3183, 103.2641
Hunter-Lab	48.0533, 95.4419, -85.4439

Details

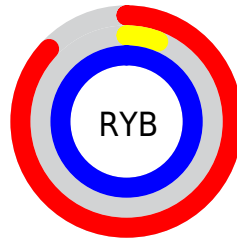
The Yxy color **23.0912, 0.2878, 0.1375** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.1899, 0.3047, 0.5931**, and the grayscale version is **13.7531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **11.6083, 0.2749, 0.1288** is the 20% darker color. If you saturate the color by 10%, you get **22.4094, 0.2856, 0.1347**, and if you desaturate by 10%, it is **24.8762, 0.2914, 0.1449**.

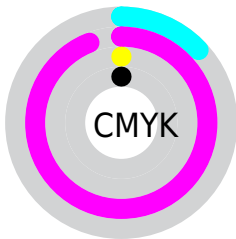
Distribution



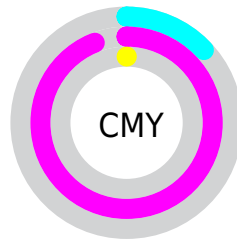
- Red (87%)
- Green (6%)
- Blue (100%)



- Red (87%)
- Yellow (6%)
- Blue (100%)



- Cyan (13%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0912, 0.2878, 0.1375 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 23.0912, 0.2878, 0.1375 by changing the saturation by 10% instead.


 23.0912, 0.2878,
0.1375


 23.0912, 0.2878,
0.1375


268.1931, 0.3066,
0.2218


 14.6609, 0.2817,
0.1204


 48.5430, 0.2958,
0.1652


 8.5817, 0.2734,
0.1007


 66.3333, 0.2985,
0.1765

 4.4694, 0.2616,
0.0783


 88.0124, 0.3006,
0.1864

 1.9394, 0.2445,
0.0535

 113.9646, 0.3023,
0.1952

 0.5719, 0.2193,
0.0267

 144.5744, 0.3037,
0.2030

 0.0000, 0.1817,
0.0000

180.2261, 0.3048,

 0.0000, 0.1226,

0.2099


0.0000

221.3042, 0.3058,
0.2162


 0.0000, 0.0000,
0.0000

 23.0912, 0.2878,
0.1375


 23.0912, 0.2878,
0.1375

 22.4094, 0.2856,
0.1347

 24.8762, 0.2914,
0.1449

 27.8096, 0.2950,
0.1568

 32.0836, 0.2985,
0.1732

 37.8542, 0.3017,
0.1934

 45.2562, 0.3046,
0.2167

■ 54.4091, 0.3071,
0.2419

■ 65.4212, 0.3092,
0.2679

■ 78.3920, 0.3109,
0.2940

■ 93.4140, 0.3123,
0.3192

Harmonies

Analogous

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



23.0912, 0.1510, 0.1051



23.0912, 0.2878, 0.1375



23.0912, 0.4960, 0.2013

Triad

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



23.0912, 0.2878, 0.1375



23.0912, 0.5206, 0.4794



23.0912, 0.0654, 0.2464

Complementary

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



23.0912, 0.2878, 0.1375



72.1899, 0.3047, 0.5931

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.



23.0912, 0.1172, 0.5022



23.0912, 0.2878, 0.1375



23.0912, 0.3706, 0.6294

Square

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



23.0912, 0.2878, 0.1375



23.0912, 0.6348, 0.3622



23.0912, 0.2296, 0.7073



23.0912, 0.0603, 0.1370

Rectangle

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



23.0912, 0.2878, 0.1375



23.0912, 0.6132, 0.2526



23.0912, 0.2296, 0.7073



23.0912, 0.0758, 0.3141

Sweetspot

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



23.0922, 0.2878, 0.1375



60.7753, 0.3084, 0.2574



9.7163, 0.1561, 0.0780



12.0121, 0.3075, 0.2462



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.



23.0922, 0.2878, 0.1375



22.4104, 0.2856, 0.1347



24.5547, 0.4275, 0.2152



18.1659, 0.3116, 0.3054



11.7589, 0.2862, 0.1350



1.1784, 0.2904, 0.1374

Inverse Universe

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



21.8267, 0.6114, 0.3181



21.3823, 0.6250, 0.3217



72.5261, 0.2840, 0.5389



18.0279, 0.3273, 0.3257



11.1851, 0.6222, 0.3202



1.1009, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 23.0912, 0.2878, 0.1375 looks on a white background.

Color Contrast Check

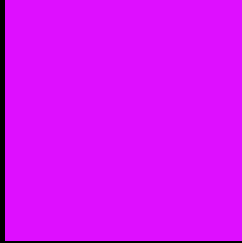
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0912, 0.2878, 0.1375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

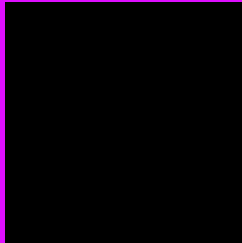
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0912, 0.2878, 0.1375

Background



This preview shows how black text looks on a background with the Yxy color 23.0912, 0.2878, 0.1375.



This preview shows how white text looks on a background with the Yxy color 23.0912, 0.2878, 0.1375.

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

23.0912, 0.2878, 0.1375

Protanopia

23.7613, 0.1847, 0.1594

Deuteranopia

23.5599, 0.1826, 0.1775



Tritanopia

23.0866, 0.4441, 0.3205

Trichromacy



Original Color

23.0912, 0.2878, 0.1375



Protanomaly

17.9125, 0.2007, 0.1251



Deuteranomaly

15.8241, 0.1850, 0.1240



Tritanomaly

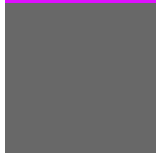
20.6552, 0.3839, 0.2252

Monochromacy



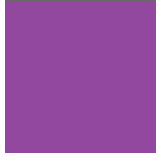
Original Color

23.0912, 0.2878, 0.1375



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.3410, 0.3020, 0.1955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0912, 0.2878, 0.1375 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(222, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 15, 255)  
}
```

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(222, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 15, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.0912, 0.2878, 0.1375 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(222, 15, 255) }
```

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

```
.border{ border-color:rgb(222, 15, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 15, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 15,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0912, 0.2878, 0.1375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 15, 255) }
```

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

```
.background{ background-color: rgb(222, 15,  
255) }
```

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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