

Converting Colors

$Y_{xy}(23.0809, 0.2966, 0.1408)$

Have a look what the booklet for
Yxy(23.0809, 0.2966, 0.1408)
contains.

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Color

Yxy(23.0709, 0.2964, 0.1407)

Conversions

Conversions Part 1

Format	Color
Hex	E201FA
RGB	226, 1, 250
RGB Percent	89%, 0%, 98%
CMY	0.1139, 0.9978, 0.0198
CMYK	0.10, 1.00, 0.00, 0.02
HSL	294°, 100%, 49%
HSV	294°, 100%, 98%
XYZ	48.6014, 23.0709, 92.3000
YIQ	96.6610, 54.1710, 125.1390

Conversions

Conversions Part 2

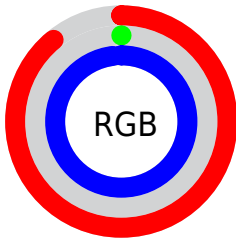
Format	Color
R_{YB}	226, 1, 250
Decimal	14811642
CIE _{Lab}	55.15, 93.17, -66.62
CIE _{LCh}	55, 114.535, 324.434
Yxy	23.0709, 0.2964, 0.1407
Android (android.graphics.Color)	4293001722 (0xFFE201FA)
YUV	96.6610, 75.5961, 113.4303
Hunter-Lab	48.0322, 96.5590, -80.3108

Details

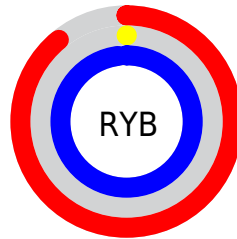
The Yxy color **23.0709, 0.2964, 0.1407** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **68.5482, 0.3018, 0.5985**, and the grayscale version is **11.5976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.8051, 0.2855, 0.1347** is the 20% darker color. If you saturate the color by 10%, you get **23.0511, 0.2963, 0.1406**, and if you desaturate by 10%, it is **24.1707, 0.2989, 0.1453**.

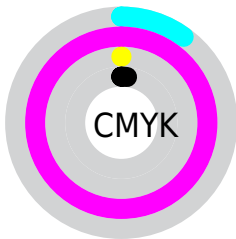
Distribution



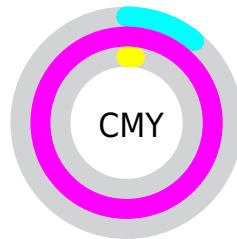
- Red (89%)
- Green (0%)
- Blue (98%)



- Red (89%)
- Yellow (0%)
- Blue (98%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (11%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0709, 0.2964, 0.1407 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 23.0709, 0.2964, 0.1407 by changing the saturation by 10% instead.


 23.0709, 0.2964,
0.1407


 23.0709, 0.2964,
0.1407


268.0889, 0.3108,
0.2241


 14.6459, 0.2914,
0.1236


 48.5097, 0.3028,
0.1683


 8.5712, 0.2843,
0.1039


 66.2923, 0.3049,
0.1794


 4.4626, 0.2740,
0.0812


 87.9628, 0.3065,
0.1892

 1.9355, 0.2586,
0.0560

 113.9058, 0.3078,
0.1979

 0.5696, 0.2353,
0.0281

 144.5054, 0.3088,
0.2056

 0.0000, 0.1992,
0.0000

180.1462, 0.3096,

 0.0000, 0.1394,

0.2124

0.0000

221.2126, 0.3102,
0.2186

■ 0.0000, 0.0000,
0.0000

■ 23.0709, 0.2964,
0.1407

■ 23.0709, 0.2964,
0.1407

■ 23.0511, 0.2963,
0.1406

■ 24.1707, 0.2989,
0.1453

■ 26.1772, 0.3013,
0.1538

■ 29.3579, 0.3036,
0.1667

■ 33.8782, 0.3057,
0.1840

■ 39.8772, 0.3076,
0.2048

■ 47.4762, 0.3092,
0.2283

■ 56.7842, 0.3105,
0.2534

■ 67.9006, 0.3115,
0.2792

■ 80.9172, 0.3122,
0.3048

Harmonies

Analogous

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



23.0709, 0.1563, 0.1069



23.0709, 0.2964, 0.1407



23.0709, 0.5042, 0.2055

Triad

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



23.0709, 0.2964, 0.1407



23.0709, 0.5140, 0.4860



23.0709, 0.0655, 0.2396

Complementary

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



23.0709, 0.2964, 0.1407



68.5482, 0.3018, 0.5985

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.



23.0709, 0.1147, 0.4867



23.0709, 0.2964, 0.1407



23.0709, 0.3649, 0.6351

Square

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



23.0709, 0.2964, 0.1407



23.0709, 0.6302, 0.3676



23.0709, 0.2251, 0.7020



23.0709, 0.0617, 0.1354

Rectangle

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



23.0709, 0.2964, 0.1407



23.0709, 0.6167, 0.2570



23.0709, 0.2251, 0.7020



23.0709, 0.0752, 0.3042

Sweetspot

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



23.0719, 0.2964, 0.1407



59.1499, 0.3105, 0.2528



7.6199, 0.1516, 0.0656



11.7367, 0.3100, 0.2420



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.



23.0719, 0.2964, 0.1407



24.1174, 0.2963, 0.1406



22.5370, 0.4567, 0.2290



17.4347, 0.3123, 0.3055



12.2666, 0.2968, 0.1408



1.1600, 0.2998, 0.1425

Inverse Universe

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



20.3969, 0.6311, 0.3252



21.3283, 0.6316, 0.3253



69.2756, 0.2821, 0.5355



17.2523, 0.3279, 0.3267



10.8247, 0.6293, 0.3240



1.0114, 0.6075, 0.3120

Previews

White Background



This preview shows how the Yxy color 23.0709, 0.2964, 0.1407 looks on a white background.

Color Contrast Check

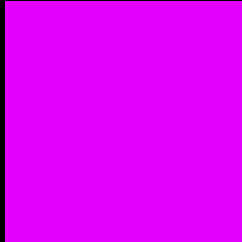
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0709, 0.2964, 0.1407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

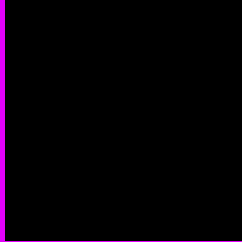
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0709, 0.2964, 0.1407

Background



This preview shows how black text looks on a background with the Yxy color 23.0709, 0.2964, 0.1407.



This preview shows how white text looks on a background with the Yxy color 23.0709, 0.2964, 0.1407.

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

23.0926, 0.2964, 0.1408

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.8183, 0.1889, 0.1828



Tritanopia

23.1652, 0.4561, 0.3209

Trichromacy



Original Color

23.0926, 0.2964, 0.1408



Protanomaly

17.0484, 0.2023, 0.1217



Deuteranomaly

16.1981, 0.2016, 0.1288



Tritanomaly

20.4707, 0.3960, 0.2253

Monochromacy



Original Color

23.0926, 0.2964, 0.1408



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.4441, 0.3058, 0.1875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0709, 0.2964, 0.1407 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(226, 1, 250)` looks like.

```
.text, #text, p{  
    color:rgb(226, 1, 250)  
}
```

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(226, 1, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 1, 250) }
```

Border

The CSS property to change the border of an element to Yxy 23.0709, 0.2964, 0.1407 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(226, 1, 250) }
```

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

```
.border{ border-color:rgb(226, 1, 250) }
```

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

Here you see how a box with a 4 pixel rgb(226, 1, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 1, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 1, 250);  
box-shadow:4px 4px 4px 4px rgb(226, 1,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0709, 0.2964, 0.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 1, 250) }
```

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

```
.background{ background-color: rgb(226, 1,  
250) }
```

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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