

Converting Colors

$Y_{xy}(23.2193, 0.2902, 0.1416)$

Have a look what the booklet for
Yxy(23.2193, 0.2902, 0.1416)
contains.

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Color

Yxy(23.2657, 0.2905, 0.1417)

Conversions

Conversions Part 1

Format	Color
Hex	DD1EFB
RGB	221, 30, 251
RGB Percent	87%, 12%, 98%
CMY	0.1333, 0.8824, 0.0158
CMYK	0.12, 0.88, 0.00, 0.02
HSL	292°, 96%, 55%
HSV	292°, 88%, 98%
XYZ	47.6971, 23.2657, 93.2270
YIQ	112.3030, 42.8950, 109.2230

Conversions

Conversions Part 2

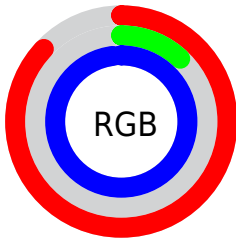
Format	Color
R _Y B	221, 30, 251
Decimal	14491387
CIE Lab	55.34, 89.81, -66.91
CIE LCh	55, 111.993, 323.316
Yxy	23.2657, 0.2905, 0.1417
Android (android.graphics.Color)	4292681467 (0xFFDD1EFB)
YUV	112.3030, 68.3776, 95.3273
Hunter-Lab	48.2345, 92.1009, -80.8307

Details

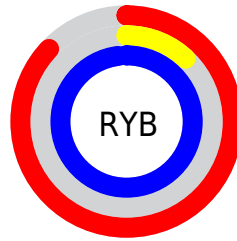
The Yxy color **23.2657, 0.2905, 0.1417** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **70.0345, 0.3063, 0.5864**, and the grayscale version is **16.0806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **11.3238, 0.2779, 0.1304** is the 20% darker color. If you saturate the color by 10%, you get **21.9163, 0.2869, 0.1359**, and if you desaturate by 10%, it is **25.6186, 0.2941, 0.1517**.

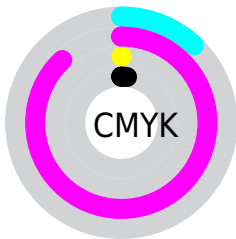
Distribution



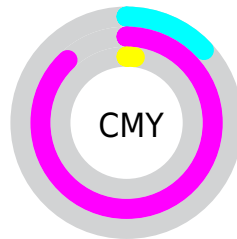
- Red (87%)
- Green (12%)
- Blue (98%)



- Red (87%)
- Yellow (12%)
- Blue (98%)



- Cyan (12%)
- Magenta (88%)
- Yellow (0%)
- Black (2%)




- Cyan (13%)
- Magenta (88%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2657, 0.2905, 0.1417 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 23.2657, 0.2905, 0.1417 by changing the saturation by 10% instead.


 23.2657, 0.2905,
0.1417


 23.2657, 0.2905,
0.1417


269.0868, 0.3077,
0.2249


 14.7898, 0.2848,
0.1246


 48.8292, 0.2979,
0.1692


 8.6720, 0.2770,
0.1049


 66.6857, 0.3004,
0.1803


 4.5279, 0.2658,
0.0822


 88.4378, 0.3023,
0.1901

 1.9730, 0.2493,
0.0568

 114.4699, 0.3038,
0.1987

 0.5917, 0.2247,
0.0291

 145.1665, 0.3051,
0.2064

 0.0000, 0.1874,
0.0000

180.9119, 0.3061,

 0.0000, 0.1259,

0.2132

0.0000

222.0905, 0.3070,
0.2193

■ 0.0000, 0.0000,
0.0000

■ 23.2657, 0.2905,
0.1417

■ 23.2657, 0.2905,
0.1417

■ 21.9163, 0.2869,
0.1359

■ 25.6186, 0.2941,
0.1517


■ 21.7087, 0.2863,
0.1351

■ 29.1925, 0.2975,
0.1663

■ 34.1499, 0.3008,
0.1850


■ 40.6277, 0.3037,
0.2071

■ 48.7464, 0.3063,
0.2316

 58.6140, 0.3085,
0.2574

 70.3296, 0.3104,
0.2835

 83.9846, 0.3118,
0.3091

 99.1125, 0.3129,
0.3329

Harmonies

Analogous

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



23.2657, 0.1554, 0.1091



23.2657, 0.2905, 0.1417



23.2657, 0.4925, 0.2052

Triad

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



23.2657, 0.2905, 0.1417



23.2657, 0.5184, 0.4816



23.2657, 0.0697, 0.2487

Complementary

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



23.2657, 0.2905, 0.1417



70.0345, 0.3063, 0.5864

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.



23.2657, 0.1220, 0.4938



23.2657, 0.2905, 0.1417



23.2657, 0.3734, 0.6266

Square

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



23.2657, 0.2905, 0.1417



23.2657, 0.6279, 0.3660



23.2657, 0.2341, 0.6942



23.2657, 0.0642, 0.1410

Rectangle

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



23.2657, 0.2905, 0.1417



23.2657, 0.6057, 0.2565



23.2657, 0.2341, 0.6942



23.2657, 0.0803, 0.3141

Sweetspot

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



23.2667, 0.2905, 0.1417



63.0812, 0.3089, 0.2627



10.8091, 0.1606, 0.0880



12.6686, 0.3083, 0.2536



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.



23.2667, 0.2905, 0.1417



22.5029, 0.2862, 0.1350



24.4748, 0.4183, 0.2140



17.3983, 0.3116, 0.3055



11.4602, 0.2869, 0.1354



1.0933, 0.2912, 0.1378

Inverse Universe

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



21.7588, 0.5940, 0.3148



21.3788, 0.6255, 0.3219



70.3263, 0.2821, 0.5263



17.2635, 0.3273, 0.3258



10.8532, 0.6225, 0.3203



1.0166, 0.5955, 0.3054

Previews

White Background



This preview shows how the Yxy color 23.2657, 0.2905, 0.1417 looks on a white background.

Color Contrast Check

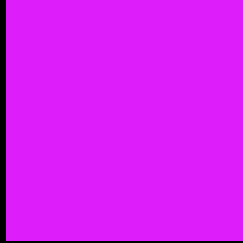
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2657, 0.2905, 0.1417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

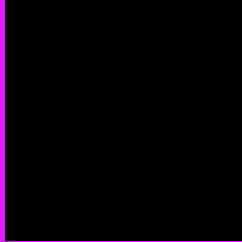
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2657, 0.2905, 0.1417

Background



This preview shows how black text looks on a background with the Yxy color 23.2657, 0.2905, 0.1417.



This preview shows how white text looks on a background with the Yxy color 23.2657, 0.2905, 0.1417.

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

23.2657, 0.2905, 0.1417

Protanopia

23.7904, 0.1850, 0.1595

Deuteranopia

23.7414, 0.1872, 0.1814



Tritanopia

23.0866, 0.4441, 0.3205

Trichromacy



Original Color

23.2657, 0.2905, 0.1417



Protanomaly

18.7664, 0.2027, 0.1305



Deuteranomaly

17.7838, 0.1998, 0.1380



Tritanomaly

21.2719, 0.3843, 0.2307

Monochromacy



Original Color

23.2657, 0.2905, 0.1417



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.3543, 0.3036, 0.2065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2657, 0.2905, 0.1417 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(221, 30, 251)` looks like.

```
.text, #text, p{  
    color:rgb(221, 30, 251)  
}
```

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(221, 30, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 30, 251) }
```

Border

The CSS property to change the border of an element to Yxy 23.2657, 0.2905, 0.1417 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(221, 30, 251) }
```

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

```
.border{ border-color:rgb(221, 30, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 30, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 30, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 30, 251);  
box-shadow:4px 4px 4px 4px rgb(221, 30,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2657, 0.2905, 0.1417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 30, 251) }
```

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

```
.background{ background-color: rgb(221, 30,  
251) }
```

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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