

Converting Colors

$Y_{xy}(23.9720, 0.2808, 0.1428)$

Have a look what the booklet for
Yxy(23.9720, 0.2808, 0.1428)
contains.

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Color

Yxy(24.0347, 0.2812, 0.1430)

Conversions

Conversions Part 1

Format	Color
Hex	D733FF
RGB	215, 51, 255
RGB Percent	84%, 20%, 100%
CMY	0.1568, 0.8001, 0.0000
CMYK	0.16, 0.80, 0.00, 0.00
HSL	288°, 100%, 60%
HSV	288°, 80%, 100%
XYZ	47.2626, 24.0347, 96.7775
YIQ	123.2920, 32.2600, 98.2120

Conversions

Conversions Part 2

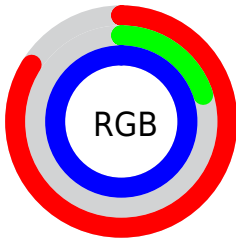
Format	Color
R _Y B	215, 51, 255
Decimal	14103551
CIE Lab	56.12, 85.25, -67.95
CIE LCh	56, 109.015, 321.444
Yxy	24.0347, 0.2812, 0.1430
Android (android.graphics.Color)	4292293631 (0xFFD733FF)
YUV	123.2920, 64.9320, 80.4279
Hunter-Lab	49.0252, 86.2885, -82.7229

Details

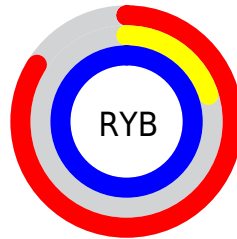
The Yxy color **24.0347, 0.2812, 0.1430** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **73.9814, 0.3130, 0.5695**, and the grayscale version is **19.6786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2026, 0.3188, 0.2001**, and **10.9998, 0.2672, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **21.6389, 0.2759, 0.1327**, and if you desaturate by 10%, it is **27.6716, 0.2865, 0.1580**.

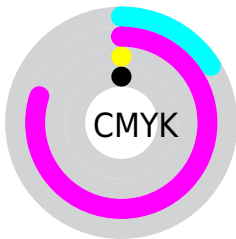
Distribution



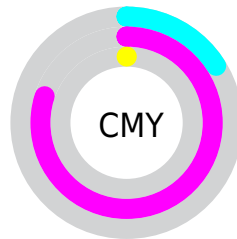
- Red (84%)
- Green (20%)
- Blue (100%)



- Red (84%)
- Yellow (20%)
- Blue (100%)



- Cyan (16%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0347, 0.2812, 0.1430 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 24.0347, 0.2812, 0.1430 by changing the saturation by 10% instead.


 24.0347, 0.2812,
0.1430


 24.0347, 0.2812,
0.1430


272.9959, 0.3028,
0.2255


 15.3594, 0.2746,
0.1261


 50.0868, 0.2901,
0.1703

 9.0720, 0.2657,
0.1065


 68.2324, 0.2931,
0.1813


 4.7882, 0.2532,
0.0839


 90.3035, 0.2956,
0.1910

 2.1235, 0.2354,
0.0587

 116.6845, 0.2976,
0.1996

 0.6778, 0.2092,
0.0317

 147.7599, 0.2992,
0.2072

 0.0000, 0.1716,
0.0000

183.9140, 0.3006,

 0.0000, 0.1105,

0.2139

0.0000

225.5312, 0.3018,
0.2200

■ 0.0000, 0.0000,
0.0000

■ 24.0347, 0.2812,
0.1430

■ 24.0347, 0.2812,
0.1430

■ 21.6389, 0.2759,
0.1327

■ 27.6716, 0.2865,
0.1580

■ 20.2013, 0.2708,
0.1265

■ 32.7267, 0.2916,
0.1772

■ 39.3460, 0.2964,
0.1999

■ 47.6577, 0.3007,
0.2250

■ 57.7766, 0.3046,
0.2514

69.8075, 0.3078,
0.2780

83.8470, 0.3105,
0.3041

99.9851, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.0347, 0.1536, 0.1125



24.0347, 0.2812, 0.1430



24.0347, 0.4744, 0.2043

Triad

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



24.0347, 0.2812, 0.1430



24.0347, 0.5254, 0.4746



24.0347, 0.0765, 0.2633

Complementary

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



24.0347, 0.2812, 0.1430



73.9814, 0.3130, 0.5695

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.



24.0347, 0.1337, 0.5048



24.0347, 0.2812, 0.1430



24.0347, 0.3864, 0.6136

Square

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



24.0347, 0.2812, 0.1430



24.0347, 0.6246, 0.3632



24.0347, 0.2480, 0.6826



24.0347, 0.0680, 0.1500

Rectangle

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



24.0347, 0.2812, 0.1430



24.0347, 0.5883, 0.2551



24.0347, 0.2480, 0.6826



24.0347, 0.0887, 0.3300

Sweetspot

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



24.0340, 0.2812, 0.1430



64.7699, 0.3066, 0.2674



15.5399, 0.1718, 0.1150



12.9577, 0.3054, 0.2579



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.



24.0340, 0.2812, 0.1430



20.7089, 0.2728, 0.1287



27.5115, 0.3916, 0.2067



18.1099, 0.3106, 0.3054



10.6193, 0.2716, 0.1270



1.0777, 0.2775, 0.1303

Inverse Universe

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



24.3805, 0.5474, 0.3012



21.7888, 0.6024, 0.3116



73.3972, 0.2843, 0.5209



18.0453, 0.3263, 0.3244



11.2455, 0.6090, 0.3129



1.1094, 0.5794, 0.2966

Previews

White Background



This preview shows how the Yxy color 24.0347, 0.2812, 0.1430 looks on a white background.

Color Contrast Check

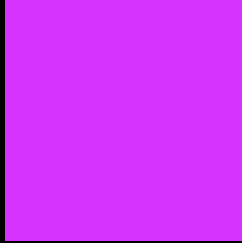
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0347, 0.2812, 0.1430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

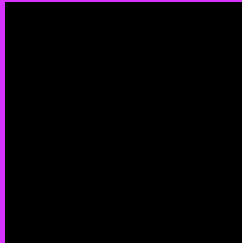
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0347, 0.2812, 0.1430

Background



This preview shows how black text looks on a background with the Yxy color 24.0347, 0.2812, 0.1430.



This preview shows how white text looks on a background with the Yxy color 24.0347, 0.2812, 0.1430.

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

24.0347, 0.2812, 0.1430

Protanopia

24.5094, 0.1874, 0.1628

Deuteranopia

24.4618, 0.1852, 0.1794



Tritanopia

23.7218, 0.4201, 0.3186

Trichromacy



Original Color

24.0347, 0.2812, 0.1430



Protanomaly

20.5743, 0.2048, 0.1392



Deuteranomaly

19.3948, 0.1957, 0.1432



Tritanomaly

22.3029, 0.3634, 0.2315

Monochromacy



Original Color

24.0347, 0.2812, 0.1430



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5576, 0.2992, 0.2192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0347, 0.2812, 0.1430 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(215, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 51, 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(215, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.0347, 0.2812, 0.1430 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(215, 51, 255) }
```

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

```
.border{ border-color:rgb(215, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0347, 0.2812, 0.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 51, 255) }
```

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

```
.background{ background-color: rgb(215, 51,  
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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