

Converting Colors

$Y_{xy}(23.7746, 0.2795, 0.1421)$

Have a look what the booklet for
Yxy(23.7746, 0.2795, 0.1421)
contains.

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Color

Yxy(23.7338, 0.2793, 0.1420)

Conversions

Conversions Part 1

Format	Color
Hex	D533FF
RGB	213, 51, 255
RGB Percent	84%, 20%, 100%
CMY	0.1645, 0.8002, 0.0000
CMYK	0.16, 0.80, 0.00, 0.00
HSL	288°, 100%, 60%
HSV	288°, 80%, 100%
XYZ	46.6820, 23.7338, 96.7236
YIQ	122.6940, 31.0680, 97.7880

Conversions

Conversions Part 2

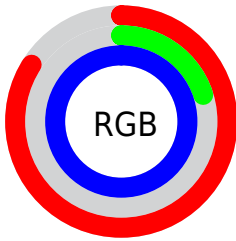
Format	Color
R _Y B	213, 51, 255
Decimal	13972479
CIE Lab	55.82, 84.92, -68.43
CIE LCh	56, 109.064, 321.138
Yxy	23.7338, 0.2793, 0.1420
Android (android.graphics.Color)	4292162559 (0xFFD533FF)
YUV	122.6940, 65.2269, 79.1984
Hunter-Lab	48.7173, 85.7873, -83.6124

Details

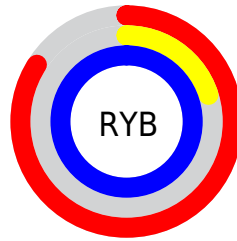
The Yxy color **23.7338, 0.2793, 0.1420** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.0770, 0.3138, 0.5689**, and the grayscale version is **19.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2026, 0.3188, 0.2001**, and **10.8035, 0.2647, 0.1232** is the 20% darker color. If you saturate the color by 10%, you get **21.3148, 0.2737, 0.1315**, and if you desaturate by 10%, it is **27.3992, 0.2849, 0.1572**.

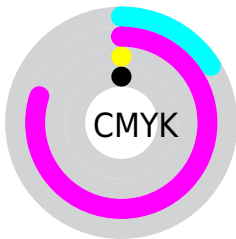
Distribution



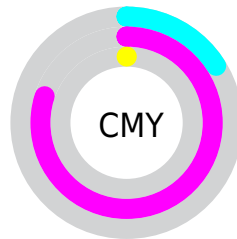
- Red (84%)
- Green (20%)
- Blue (100%)



- 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 23.7338, 0.2793, 0.1420 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 23.7338, 0.2793, 0.1420 by changing the saturation by 10% instead.


 23.7338, 0.2793,
0.1420


 23.7338, 0.2793,
0.1420


271.4719, 0.3019,
0.2250


 15.1363, 0.2724,
0.1250


 49.5955, 0.2885,
0.1694


 8.9151, 0.2632,
0.1053


 67.6284, 0.2917,
0.1805


 4.6858, 0.2503,
0.0827


 89.5752, 0.2943,
0.1903

 2.0641, 0.2320,
0.0575

 115.8203, 0.2964,
0.1989

 0.6443, 0.2053,
0.0303

 146.7482, 0.2981,
0.2065

 0.0000, 0.1667,
0.0000

182.7431, 0.2996,

 0.0000, 0.1043,

0.2134

0.0000

224.1896, 0.3008,
0.2195

■ 0.0000, 0.0000,
0.0000

■ 23.7338, 0.2793,
0.1420

■ 23.7338, 0.2793,
0.1420

■ 21.3148, 0.2737,
0.1315

■ 27.3992, 0.2849,
0.1572

■ 19.8555, 0.2683,
0.1252

■ 32.4830, 0.2903,
0.1766

■ 39.1331, 0.2953,
0.1995

■ 47.4777, 0.2999,
0.2247

■ 57.6316, 0.3040,
0.2512

69.6997, 0.3075,
0.2779

83.7785, 0.3103,
0.3040

99.9582, 0.3127,
0.3289

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



23.7338, 0.1522, 0.1118



23.7338, 0.2793, 0.1420



23.7338, 0.4730, 0.2031

Triad

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



23.7338, 0.2793, 0.1420



23.7338, 0.5269, 0.4731



23.7338, 0.0761, 0.2647

Complementary

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



23.7338, 0.2793, 0.1420



74.0770, 0.3138, 0.5689

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.



23.7338, 0.1339, 0.5086



23.7338, 0.2793, 0.1420



23.7338, 0.3874, 0.6126

Square

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



23.7338, 0.2793, 0.1420



23.7338, 0.6261, 0.3618



23.7338, 0.2487, 0.6846



23.7338, 0.0674, 0.1500

Rectangle

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



23.7338, 0.2793, 0.1420



23.7338, 0.5881, 0.2539



23.7338, 0.2487, 0.6846



23.7338, 0.0884, 0.3321

Sweetspot

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



23.7348, 0.2793, 0.1420



64.6657, 0.3061, 0.2673



16.1344, 0.1728, 0.1185



12.9324, 0.3049, 0.2578



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.



23.7348, 0.2793, 0.1420



20.3735, 0.2705, 0.1274



27.6613, 0.3871, 0.2039



18.1007, 0.3105, 0.3053



10.4411, 0.2692, 0.1257



1.0619, 0.2754, 0.1291

Inverse Universe

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



24.4103, 0.5446, 0.2995



21.8133, 0.5998, 0.3102



73.3180, 0.2855, 0.5251



18.0482, 0.3262, 0.3241



11.2574, 0.6065, 0.3115



1.1110, 0.5765, 0.2949

Previews

White Background



This preview shows how the Yxy color 23.7338, 0.2793, 0.1420 looks on a white background.

Color Contrast Check

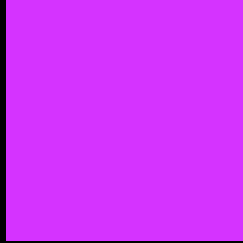
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7338, 0.2793, 0.1420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

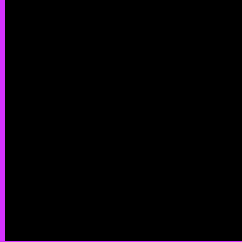
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7338, 0.2793, 0.1420

Background



This preview shows how black text looks on a background with the Yxy color 23.7338, 0.2793, 0.1420.



This preview shows how white text looks on a background with the Yxy color 23.7338, 0.2793, 0.1420.

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

23.7338, 0.2793, 0.1420

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

24.0374, 0.1834, 0.1775



Tritanopia

23.4554, 0.4177, 0.3185

Trichromacy



Original Color

23.7338, 0.2793, 0.1420



Protanomaly

20.2404, 0.2033, 0.1376



Deuteranomaly

18.6883, 0.1904, 0.1399



Tritanomaly

22.0239, 0.3610, 0.2306

Monochromacy



Original Color

23.7338, 0.2793, 0.1420



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 23.7338, 0.2793, 0.1420 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(213, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.7338, 0.2793, 0.1420 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(213, 51, 255) }
```

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

```
.border{ border-color:rgb(213, 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(213, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7338, 0.2793, 0.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 51, 255) }
```

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

```
.background{ background-color: rgb(213, 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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