

Converting Colors

$Y_{xy}(24.7316, 0.2820, 0.1460)$

Have a look what the booklet for
Yxy(24.7316, 0.2820, 0.1460)
contains.

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Color

Yxy(24.7452, 0.2823, 0.1460)

Conversions

Conversions Part 1

Format	Color
Hex	D839FF
RGB	216, 57, 255
RGB Percent	85%, 22%, 100%
CMY	0.1528, 0.7768, 0.0000
CMYK	0.15, 0.78, 0.00, 0.00
HSL	288°, 100%, 61%
HSV	288°, 78%, 100%
XYZ	47.8464, 24.7452, 96.8961
YIQ	127.1130, 31.2060, 95.2860

Conversions

Conversions Part 2

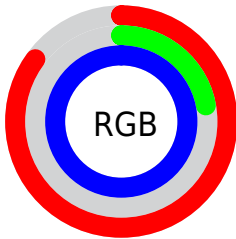
Format	Color
R _Y B	216, 57, 255
Decimal	14170623
CIE Lab	56.83, 83.84, -66.81
CIE LCh	57, 107.205, 321.449
Yxy	24.7452, 0.2823, 0.1460
Android (android.graphics.Color)	4292360703 (0xFFD839FF)
YUV	127.1130, 63.0483, 77.9539
Hunter-Lab	49.7445, 84.6357, -80.6683

Details

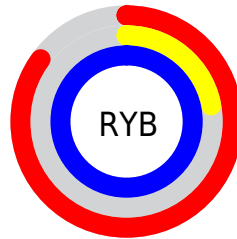
The Yxy color **24.7452, 0.2823, 0.1460** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.2944, 0.3138, 0.5644**, and the grayscale version is **21.0227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **11.0991, 0.2685, 0.1253** is the 20% darker color. If you saturate the color by 10%, you get **22.0751, 0.2770, 0.1346**, and if you desaturate by 10%, it is **28.6989, 0.2876, 0.1621**.

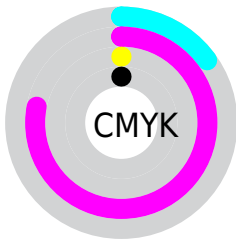
Distribution



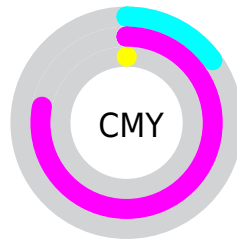
- Red (85%)
- Green (22%)
- Blue (100%)



- Red (85%)
- Yellow (22%)
- Blue (100%)



- Cyan (15%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7452, 0.2823, 0.1460 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 24.7452, 0.2823, 0.1460 by changing the saturation by 10% instead.


 24.7452, 0.2823,
0.1460


 24.7452, 0.2823,
0.1460


276.5666, 0.3031,
0.2273


 15.8873, 0.2759,
0.1293


 51.2436, 0.2908,
0.1729

 9.4445, 0.2673,
0.1098


 69.6528, 0.2938,
0.1838


 5.0322, 0.2553,
0.0874


 92.0147, 0.2962,
0.1934

 2.2662, 0.2380,
0.0620

 118.7135, 0.2981,
0.2018

 0.7557, 0.2126,
0.0349

 150.1338, 0.2997,
0.2092

 0.0000, 0.1762,
0.0000


186.6598, 0.3010,

 0.0000, 0.1164,

0.2159


0.0000


228.6759, 0.3021,
0.2219

 0.0000, 0.0000,
0.0000


 24.7452, 0.2823,
0.1460


 24.7452, 0.2823,
0.1460


 22.0751, 0.2770,
0.1346


 28.6989, 0.2876,
0.1621

 20.4723, 0.2718,
0.1277


 34.1081, 0.2927,
0.1822


 20.1780, 0.2706,
0.1264

 41.1129, 0.2974,
0.2056

 49.8380, 0.3016,
0.2311

 60.3957, 0.3053,
0.2576

 72.8886, 0.3085,
0.2841

 87.4119, 0.3111,
0.3100

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.



24.7452, 0.1565, 0.1157



24.7452, 0.2823, 0.1460



24.7452, 0.4707, 0.2069

Triad

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



24.7452, 0.2823, 0.1460



24.7452, 0.5244, 0.4756



24.7452, 0.0802, 0.2658

Complementary

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



24.7452, 0.2823, 0.1460



74.2944, 0.3138, 0.5644

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.



24.7452, 0.1380, 0.4998



24.7452, 0.2823, 0.1460



24.7452, 0.3891, 0.6109

Square

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



24.7452, 0.2823, 0.1460



24.7452, 0.6199, 0.3655



24.7452, 0.2519, 0.6731



24.7452, 0.0712, 0.1535

Rectangle

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



24.7452, 0.2823, 0.1460



24.7452, 0.5819, 0.2575



24.7452, 0.2519, 0.6731



24.7452, 0.0926, 0.3310

Sweetspot

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



24.7436, 0.2823, 0.1460



65.9956, 0.3069, 0.2701



16.5507, 0.1749, 0.1208



13.1925, 0.3057, 0.2604



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.



24.7436, 0.2823, 0.1460



21.1101, 0.2742, 0.1304



28.1441, 0.3886, 0.2079



18.1093, 0.3106, 0.3054



10.6072, 0.2715, 0.1269



1.0767, 0.2774, 0.1302

Inverse Universe

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



25.0201, 0.5377, 0.3003



22.0635, 0.5937, 0.3090



73.6563, 0.2841, 0.5152



18.0455, 0.3263, 0.3243



11.2463, 0.6089, 0.3128



1.1095, 0.5792, 0.2965

Previews

White Background



This preview shows how the Yxy color 24.7452, 0.2823, 0.1460 looks on a white background.

Color Contrast Check

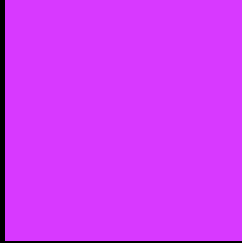
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7452, 0.2823, 0.1460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

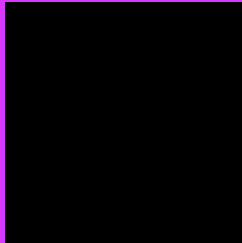
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7452, 0.2823, 0.1460

Background



This preview shows how black text looks on a background with the Yxy color 24.7452, 0.2823, 0.1460.

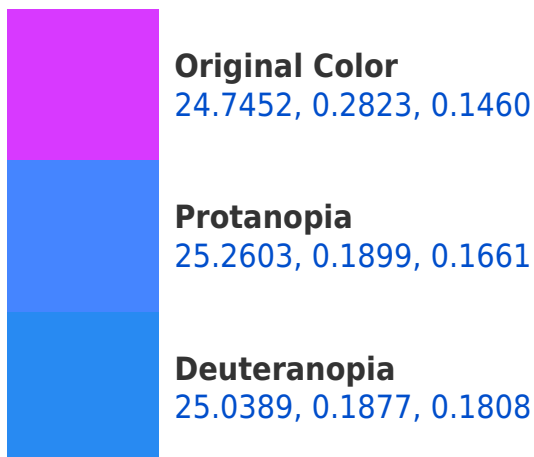


This preview shows how white text looks on a background with the Yxy color 24.7452, 0.2823, 0.1460.

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





Tritanopia

24.3302, 0.4174, 0.3186

Trichromacy



Original Color

24.7452, 0.2823, 0.1460



Protanomaly

21.4607, 0.2079, 0.1434



Deuteranomaly

20.5957, 0.2011, 0.1481



Tritanomaly

23.1467, 0.3626, 0.2350

Monochromacy



Original Color

24.7452, 0.2823, 0.1460



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.9297, 0.2995, 0.2237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7452, 0.2823, 0.1460 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(216, 57, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 57, 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(216, 57, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 57, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.7452, 0.2823, 0.1460 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(216, 57, 255) }
```

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

```
.border{ border-color:rgb(216, 57, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 57, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 57, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 57, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 57,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7452, 0.2823, 0.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 57, 255) }
```

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

```
.background{ background-color: rgb(216, 57,  
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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