

Converting Colors

$Y_{xy}(25.5215, 0.2812, 0.1497)$

Have a look what the booklet for
Yxy(25.5215, 0.2812, 0.1497)
contains.

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Color

Yxy(25.5635, 0.2815, 0.1498)

Conversions

Conversions Part 1

Format	Color
Hex	D742FF
RGB	215, 66, 255
RGB Percent	84%, 26%, 100%
CMY	0.1567, 0.7415, 0.0000
CMYK	0.16, 0.74, 0.00, 0.00
HSL	287°, 100%, 63%
HSV	287°, 74%, 100%
XYZ	48.0382, 25.5635, 97.0491
YIQ	132.0970, 28.1350, 90.3670

Conversions

Conversions Part 2

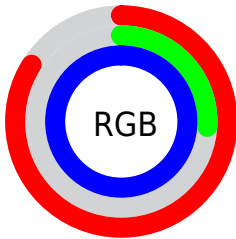
Format	Color
R _Y B	215, 66, 255
Decimal	14107391
CIE Lab	57.62, 80.95, -65.54
CIE LCh	58, 104.156, 321.003
Yxy	25.5635, 0.2815, 0.1498
Android (android.graphics.Color)	4292297471 (0xFFD742FF)
YUV	132.0970, 60.5912, 72.7059
Hunter-Lab	50.5604, 81.1151, -78.4132

Details

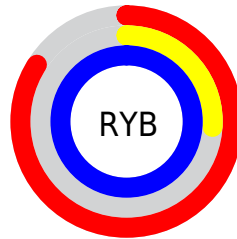
The Yxy color **25.5635, 0.2815, 0.1498** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.9690, 0.3161, 0.5553**, and the grayscale version is **22.8691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **10.9998, 0.2672, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **22.4178, 0.2758, 0.1365**, and if you desaturate by 10%, it is **30.0582, 0.2872, 0.1677**.

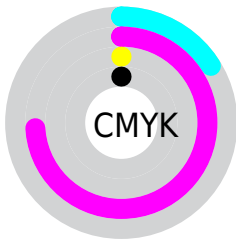
Distribution



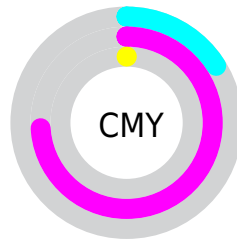
- Red (84%)
- Green (26%)
- Blue (100%)



- Red (84%)
- Yellow (26%)
- Blue (100%)



- Cyan (16%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5635, 0.2815, 0.1498 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 25.5635, 0.2815, 0.1498 by changing the saturation by 10% instead.


 25.5635, 0.2815,
0.1498


 25.5635, 0.2815,
0.1498


280.6327, 0.3024,
0.2296


 16.4974, 0.2752,
0.1333


 52.5699, 0.2900,
0.1763


 9.8768, 0.2667,
0.1140


 71.2790, 0.2930,
0.1870

 5.3173, 0.2548,
0.0916


 93.9712, 0.2954,
0.1964

 2.4346, 0.2378,
0.0661

 121.0309, 0.2973,
0.2046

 0.8436, 0.2127,
0.0387

 152.8425, 0.2989,
0.2120

 0.0000, 0.1774,
0.0000

189.7904, 0.3003,


 0.0000, 0.1180,


0.2185

0.0000


232.2590, 0.3014,
0.2244


 0.0000, 0.0000,
0.0000

 25.5635, 0.2815,
0.1498

 25.5635, 0.2815,
0.1498


 22.4178, 0.2758,
0.1365


 30.0582, 0.2872,
0.1677


 20.4351, 0.2701,
0.1278

 36.0647, 0.2926,
0.1894

 19.6538, 0.2669,
0.1244

 43.7161, 0.2976,
0.2139

 53.1323, 0.3020,
0.2401

 64.4220, 0.3058,
0.2669

77.6851, 0.3091,
0.2933

93.0143, 0.3118,
0.3188

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.



25.5635, 0.1594, 0.1201



25.5635, 0.2815, 0.1498



25.5635, 0.4626, 0.2096

Triad

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



25.5635, 0.2815, 0.1498



25.5635, 0.5248, 0.4752



25.5635, 0.0862, 0.2720

Complementary

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



25.5635, 0.2815, 0.1498



74.9690, 0.3161, 0.5553

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.



25.5635, 0.1456, 0.4964



25.5635, 0.2815, 0.1498



25.5635, 0.3936, 0.6029

Square

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



25.5635, 0.2815, 0.1498



25.5635, 0.6135, 0.3675



25.5635, 0.2591, 0.6596



25.5635, 0.0759, 0.1598

Rectangle

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



25.5635, 0.2815, 0.1498



25.5635, 0.5706, 0.2597



25.5635, 0.2591, 0.6596



25.5635, 0.0993, 0.3355

Sweetspot

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



25.5615, 0.2815, 0.1498



67.1015, 0.3066, 0.2726



18.8678, 0.1807, 0.1335



13.6417, 0.3056, 0.2654



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.



25.5615, 0.2815, 0.1498



21.3247, 0.2730, 0.1317



29.3846, 0.3800, 0.2076



18.0953, 0.3104, 0.3053



10.3364, 0.2678, 0.1249



1.0526, 0.2742, 0.1284

Inverse Universe

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



26.1854, 0.5190, 0.2969



22.6148, 0.5765, 0.3035



74.0194, 0.2851, 0.5101



18.0499, 0.3261, 0.3240



11.2648, 0.6049, 0.3106



1.1119, 0.5747, 0.2939

Previews

White Background



This preview shows how the Yxy color 25.5635, 0.2815, 0.1498 looks on a white background.

Color Contrast Check

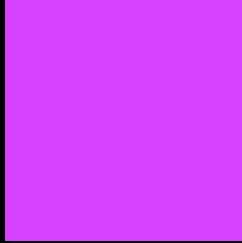
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5635, 0.2815, 0.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

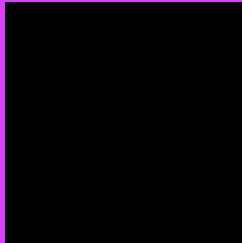
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5635, 0.2815, 0.1498

Background



This preview shows how black text looks on a background with the Yxy color 25.5635, 0.2815, 0.1498.



This preview shows how white text looks on a background with the Yxy color 25.5635, 0.2815, 0.1498.

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

25.5635, 0.2815, 0.1498

Protanopia

26.0438, 0.1926, 0.1694

Deuteranopia

25.8708, 0.1909, 0.1845



Tritanopia

25.3101, 0.4098, 0.3186

Trichromacy



Original Color

25.5635, 0.2815, 0.1498



Protanomaly

22.8075, 0.2116, 0.1497



Deuteranomaly

21.9052, 0.2062, 0.1544



Tritanomaly

24.2890, 0.3589, 0.2393

Monochromacy



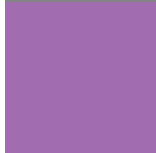
Original Color

25.5635, 0.2815, 0.1498



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.5808, 0.2998, 0.2295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5635, 0.2815, 0.1498 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, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 66, 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, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.5635, 0.2815, 0.1498 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, 66, 255) }
```

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

```
.border{ border-color:rgb(215, 66, 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, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5635, 0.2815, 0.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 66, 255) }
```

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

```
.background{ background-color: rgb(215, 66,  
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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