

Converting Colors

$Y_{xy}(25.0561, 0.2697, 0.1499)$

Have a look what the booklet for
Yxy(25.0561, 0.2697, 0.1499)
contains.

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Color

Yxy(25.0843, 0.2695, 0.1500)

Conversions

Conversions Part 1

Format	Color
Hex	CA4DFF
RGB	202, 77, 255
RGB Percent	79%, 30%, 100%
CMY	0.2077, 0.6982, 0.0000
CMYK	0.21, 0.70, 0.00, 0.00
HSL	282°, 100%, 65%
HSV	282°, 70%, 100%
XYZ	45.0681, 25.0843, 97.0762
YIQ	134.6670, 17.3620, 81.8580

Conversions

Conversions Part 2

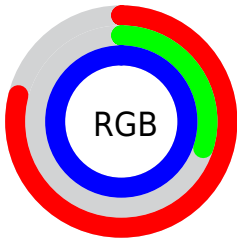
Format	Color
R _{YB}	202, 77, 255
Decimal	13258239
CIE _{Lab}	57.16, 74.56, -66.36
CIE _{LCh}	57, 99.814, 318.331
Yxy	25.0843, 0.2695, 0.1500
Android (android.graphics.Color)	4291448319 (0xFFCA4DFF)
YUV	134.6670, 59.3242, 59.0510
Hunter-Lab	50.0842, 72.9752, -79.8605

Details

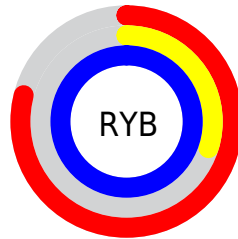
The Yxy color **25.0843, 0.2695, 0.1500** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **76.7959, 0.3249, 0.5390**, and the grayscale version is **23.8679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **9.8709, 0.2522, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **21.1579, 0.2613, 0.1328**, and if you desaturate by 10%, it is **30.4615, 0.2776, 0.1715**.

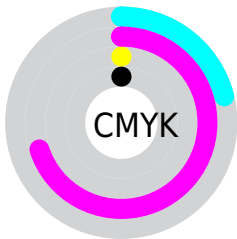
Distribution



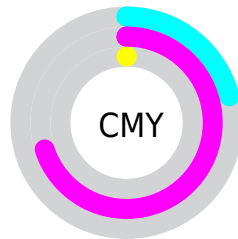
- Red (79%)
- Green (30%)
- Blue (100%)



- Red (79%)
- Yellow (30%)
- Blue (100%)



- Cyan (21%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0843, 0.2695, 0.1500 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 25.0843, 0.2695, 0.1500 by changing the saturation by 10% instead.


 25.0843, 0.2695,
0.1500


 25.0843, 0.2695,
0.1500

278.2575, 0.2962,
0.2303

 16.1399, 0.2618,
0.1333


 51.7939, 0.2801,
0.1768

 9.6232, 0.2517,
0.1137


 70.3280, 0.2838,
0.1875

 5.1498, 0.2378,
0.0910


 92.8273, 0.2869,
0.1970

 2.3354, 0.2184,
0.0652

 119.6763, 0.2894,
0.2053

 0.7924, 0.1905,
0.0374

 151.2595, 0.2915,
0.2126

 0.0000, 0.1518,
0.0000

187.9611, 0.2933,


 0.0000, 0.0851,


0.2192


0.0000


230.1657, 0.2949,
0.2250


 0.0000, 0.0000,
0.0000

 25.0843, 0.2695,
0.1500

 25.0843, 0.2695,
0.1500


 21.1579, 0.2613,
0.1328


 30.4615, 0.2776,
0.1715

 18.5051, 0.2533,
0.1205


 37.4340, 0.2853,
0.1962


 16.8471, 0.2456,
0.1127

 46.1309, 0.2924,
0.2229

 16.8203, 0.2454,
0.1126

 56.6674, 0.2987,
0.2505

 69.1485, 0.3042,
0.2779

 83.6713, 0.3089,
0.3044

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.



25.0843, 0.1558, 0.1233



25.0843, 0.2695, 0.1500



25.0843, 0.4418, 0.2068

Triad

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



25.0843, 0.2695, 0.1500



25.0843, 0.5332, 0.4657



25.0843, 0.0944, 0.2902

Complementary

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



25.0843, 0.2695, 0.1500



76.7959, 0.3249, 0.5390

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.



25.0843, 0.1595, 0.5109



25.0843, 0.2695, 0.1500



25.0843, 0.4071, 0.5867

Square

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



25.0843, 0.2695, 0.1500



25.0843, 0.6107, 0.3623



25.0843, 0.2749, 0.6498



25.0843, 0.0799, 0.1708

Rectangle

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



25.0843, 0.2695, 0.1500



25.0843, 0.5508, 0.2559



25.0843, 0.2749, 0.6498



25.0843, 0.1094, 0.3551

Sweetspot

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



25.0851, 0.2695, 0.1500



67.5662, 0.3036, 0.2747



24.8626, 0.1919, 0.1637



13.6956, 0.3021, 0.2672



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.



25.0851, 0.2695, 0.1500



19.9043, 0.2579, 0.1271



31.6987, 0.3571, 0.1996



18.0132, 0.3090, 0.3052



8.8701, 0.2467, 0.1133



0.9203, 0.2553, 0.1180

Inverse Universe

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



28.1733, 0.4787, 0.2815



23.8422, 0.5311, 0.2842



74.2792, 0.2907, 0.5170



18.0760, 0.3247, 0.3220



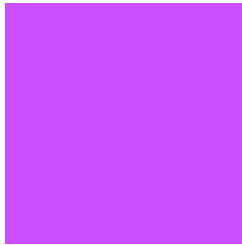
11.4032, 0.5777, 0.2956



1.1285, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 25.0843, 0.2695, 0.1500 looks on a white background.

Color Contrast Check

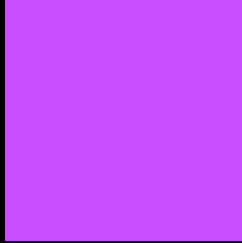
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0843, 0.2695, 0.1500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

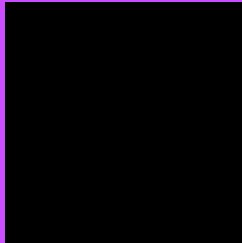
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0843, 0.2695, 0.1500

Background



This preview shows how black text looks on a background with the Yxy color 25.0843, 0.2695, 0.1500.



This preview shows how white text looks on a background with the Yxy color 25.0843, 0.2695, 0.1500.

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

25.0843, 0.2695, 0.1500

Protanopia

25.3728, 0.1909, 0.1664

Deuteranopia

25.4282, 0.1873, 0.1804



Tritanopia

24.8194, 0.3826, 0.3163

Trichromacy



Original Color

25.0843, 0.2695, 0.1500



Protanomaly

22.9522, 0.2078, 0.1511



Deuteranomaly

21.8648, 0.1993, 0.1544



Tritanomaly

23.9038, 0.3362, 0.2376

Monochromacy



Original Color

25.0843, 0.2695, 0.1500



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.6602, 0.2944, 0.2345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0843, 0.2695, 0.1500 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(202, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 77, 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(202, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 77, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.0843, 0.2695, 0.1500 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(202, 77, 255) }
```

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

```
.border{ border-color:rgb(202, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(202, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 77,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0843, 0.2695, 0.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 77, 255) }
```

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

```
.background{ background-color: rgb(202, 77,  
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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