

Converting Colors

$Y_{xy}(25.2695, 0.2717, 0.1557)$

Have a look what the booklet for
Yxy(25.2695, 0.2717, 0.1557)
contains.

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Color

Yxy(25.2161, 0.2717, 0.1554)

Conversions

Conversions Part 1

Format	Color
Hex	C852FA
RGB	200, 82, 250
RGB Percent	78%, 32%, 98%
CMY	0.2157, 0.6784, 0.0197
CMYK	0.20, 0.67, 0.00, 0.02
HSL	282°, 94%, 65%
HSV	282°, 67%, 98%
XYZ	44.0876, 25.2161, 92.9621
YIQ	136.4340, 16.4000, 77.2640

Conversions

Conversions Part 2

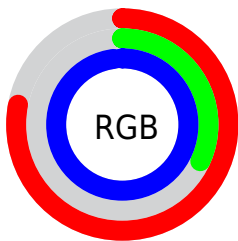
Format	Color
R _Y B	200, 82, 250
Decimal	13128442
CIE _{Lab}	57.29, 71.16, -63.38
CIE _{LCh}	57, 95.294, 318.310
Y _{xy}	25.2161, 0.2717, 0.1554
Android (android.graphics.Color)	4291318522 (0xFFC852FA)
Y _{UV}	136.4340, 55.9880, 55.7474
Hunter-Lab	50.2156, 68.8395, -74.6101

Details

The Yxy color **25.2161, 0.2717, 0.1554** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **73.8679, 0.3254, 0.5316**, and the grayscale version is **24.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **9.6866, 0.2536, 0.1187** is the 20% darker color. If you saturate the color by 10%, you get **21.1087, 0.2635, 0.1370**, and if you desaturate by 10%, it is **30.7476, 0.2797, 0.1778**.

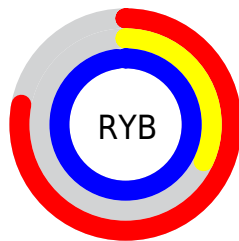
Distribution



Red (78%)

Green (32%)

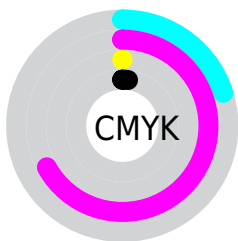
Blue (98%)



Red (78%)

Yellow (32%)

Blue (98%)

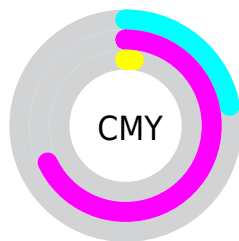


Cyan (20%)

Magenta (67%)

Yellow (0%)

Black (2%)



Cyan (22%)


Magenta (68%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2161, 0.2717, 0.1554 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 25.2161, 0.2717, 0.1554 by changing the saturation by 10% instead.


 25.2161, 0.2717,
0.1554


 25.2161, 0.2717,
0.1554


278.9124, 0.2971,
0.2341

 16.2381, 0.2644,
0.1388


 52.0076, 0.2818,
0.1818

 9.6928, 0.2546,
0.1192


 70.5899, 0.2853,
0.1924

 5.1958, 0.2411,
0.0962


 93.1424, 0.2882,
0.2016

 2.3626, 0.2221,
0.0698

 120.0496, 0.2906,
0.2097

 0.8065, 0.1943,
0.0408

151.6958, 0.2927,
0.2169

 0.0000, 0.1555,
0.0000

188.4654, 0.2944,


 0.0000, 0.0818,


0.2233


0.0000

230.7428, 0.2958,
0.2290

 0.0000, 0.0000,
0.0000

 25.2161, 0.2717,
0.1554


 25.2161, 0.2717,
0.1554


 21.1087, 0.2635,
0.1370


 30.7476, 0.2797,
0.1778


 18.2644, 0.2554,
0.1234

 37.8347, 0.2872,
0.2032

 16.4807, 0.2476,
0.1146

 46.5970, 0.2941,
0.2302

 16.0832, 0.2455,
0.1126

 57.1413, 0.3002,
0.2578

 69.5654, 0.3055,
0.2851

83.9601, 0.3100,
0.3112

99.1275, 0.3138,
0.3338

99.6803, 0.3156,
0.3338

Harmonies

Analogous

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



25.2161, 0.1609, 0.1290



25.2161, 0.2717, 0.1554



25.2161, 0.4364, 0.2112

Triad

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



25.2161, 0.2717, 0.1554



25.2161, 0.5280, 0.4650



25.2161, 0.1014, 0.2936

Complementary

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



25.2161, 0.2717, 0.1554



73.8679, 0.3254, 0.5316

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.



25.2161, 0.1667, 0.5014



25.2161, 0.2717, 0.1554



25.2161, 0.4080, 0.5787

Square

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



25.2161, 0.2717, 0.1554



25.2161, 0.6013, 0.3655



25.2161, 0.2803, 0.6342



25.2161, 0.0860, 0.1772

Rectangle

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



25.2161, 0.2717, 0.1554



25.2161, 0.5404, 0.2597



25.2161, 0.2803, 0.6342



25.2161, 0.1166, 0.3555

Sweetspot

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



25.2171, 0.2717, 0.1554



68.9004, 0.3041, 0.2774



25.3077, 0.1960, 0.1709



13.9556, 0.3026, 0.2698



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.



25.2171, 0.2717, 0.1554



20.7798, 0.2603, 0.1311



31.3339, 0.3550, 0.2027



17.2501, 0.3090, 0.3053



8.6114, 0.2467, 0.1133



0.8525, 0.2558, 0.1183

Inverse Universe

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



28.0220, 0.4688, 0.2819



24.5347, 0.5202, 0.2828



71.4001, 0.2909, 0.5092



17.3102, 0.3247, 0.3220



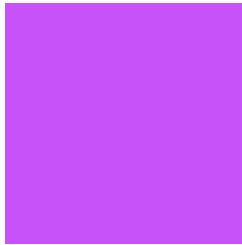
11.0674, 0.5775, 0.2955



1.0428, 0.5439, 0.2770

Previews

White Background



This preview shows how the Yxy color 25.2161, 0.2717, 0.1554 looks on a white background.

Color Contrast Check

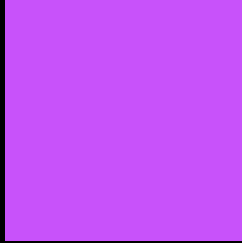
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2161, 0.2717, 0.1554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

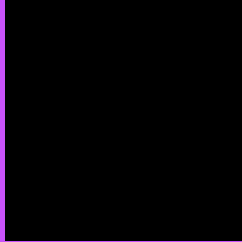
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2161, 0.2717, 0.1554

Background



This preview shows how black text looks on a background with the Yxy color 25.2161, 0.2717, 0.1554.



This preview shows how white text looks on a background with the Yxy color 25.2161, 0.2717, 0.1554.

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

25.2161, 0.2717, 0.1554

Protanopia

25.6867, 0.1916, 0.1679

Deuteranopia

25.5095, 0.1925, 0.1861



Tritanopia

24.9630, 0.3797, 0.3162

Trichromacy



Original Color

25.2161, 0.2717, 0.1554



Protanomaly

23.2753, 0.2091, 0.1546



Deuteranomaly

22.6161, 0.2073, 0.1626



Tritanomaly

24.1440, 0.3360, 0.2408

Monochromacy



Original Color

25.2161, 0.2717, 0.1554



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.0360, 0.2965, 0.2398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2161, 0.2717, 0.1554 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(200, 82, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 82, 250)  
}
```

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(200, 82, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 82, 250) }
```

Border

The CSS property to change the border of an element to Yxy 25.2161, 0.2717, 0.1554 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(200, 82, 250) }
```

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

```
.border{ border-color:rgb(200, 82, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 82, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 82, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 82, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 82,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2161, 0.2717, 0.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 82, 250) }
```

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

```
.background{ background-color: rgb(200, 82,  
250) }
```

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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