

Converting Colors

$Y_{xy}(25.2372, 0.2725, 0.1696)$

Have a look what the booklet for
Yxy(25.2372, 0.2725, 0.1696)
contains.

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Color

Yxy(25.2460, 0.2731, 0.1698)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BE5FED |
| RGB | 190, 95, 237 |
| RGB Percent | 75%, 37%, 93% |
| CMY | 0.2550, 0.6273, 0.0707 |
| CMYK | 0.20, 0.60, 0.00, 0.07 |
| HSL | 280°, 80%, 65% |
| HSV | 280°, 60%, 93% |
| XYZ | 40.6047, 25.2460, 82.8301 |
| YIQ | 139.5930, 11.0380, 64.3020 |

Conversions

Conversions Part 2

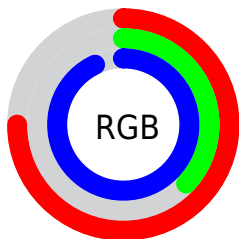
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 190, 95, 237 |
| Decimal | 12476397 |
| CIE _{Lab} | 57.31, 60.56, -56.17 |
| CIE _{LCh} | 57, 82.601, 317.155 |
| Yxy | 25.2460, 0.2731, 0.1698 |
| Android (android.graphics.Color) | 4290666477 (0xFFBE5FED) |
| YUV | 139.5930, 48.0217, 44.2069 |
| Hunter-Lab | 50.2454, 56.3215, -62.5684 |

Details

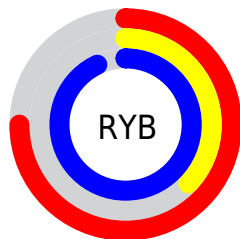
The Yxy color **25.2460, 0.2731, 0.1698** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **67.1310, 0.3292, 0.5081**, and the grayscale version is **25.8705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1724, 0.3124, 0.2259**, and **9.7329, 0.2572, 0.1343** is the 20% darker color. If you saturate the color by 10%, you get **20.6228, 0.2641, 0.1477**, and if you desaturate by 10%, it is **31.2237, 0.2817, 0.1951**.

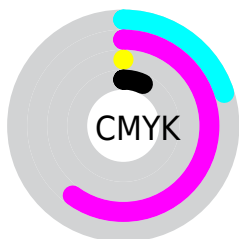
Distribution



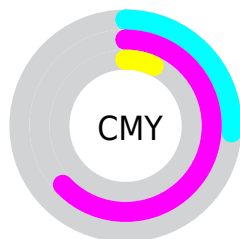
- Red (75%)
- Green (37%)
- Blue (93%)



- Red (75%)
- Yellow (37%)
- Blue (93%)



- Cyan (20%)
- Magenta (60%)
- Yellow (0%)
- Black (7%)





- Cyan (26%)
- Magenta (63%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2460, 0.2731, 0.1698 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 25.2460, 0.2731, 0.1698 by changing the saturation by 10% instead.


 25.2460, 0.2731,
0.1698


 25.2460, 0.2731,
0.1698


279.0608, 0.2972,
0.2441


 16.2604, 0.2661,
0.1534


 52.0560, 0.2827,
0.1953


 9.7086, 0.2567,
0.1339


 70.6493, 0.2860,
0.2053

 5.2062, 0.2436,
0.1103


 93.2139, 0.2888,
0.2140

 2.3687, 0.2247,
0.0823

 120.1342, 0.2911,
0.2215

 0.8097, 0.1965,
0.0501

151.7947, 0.2930,
0.2282

 0.0000, 0.1562,
0.0000

188.5797, 0.2946,


 0.0000, 0.0426,


0.2341

0.0000

230.8736, 0.2960,
0.2394


 0.0000, 0.0000,
0.0000


 25.2460, 0.2731,
0.1698


 25.2460, 0.2731,
0.1698


 20.6228, 0.2641,
0.1477

 31.2237, 0.2817,
0.1951

 17.2284, 0.2550,
0.1298


 38.6603, 0.2896,
0.2223


 14.9178, 0.2462,
0.1169

 47.6533, 0.2967,
0.2501

 13.4471, 0.2377,
0.1084

 58.2908, 0.3030,
0.2777

 13.4335, 0.2377,
0.1083

 70.6541, 0.3083,
0.3043

 84.8192, 0.3128,
0.3293

 97.0267, 0.3168,
0.3467

 98.4672, 0.3218,
0.3465

 98.8927, 0.3232,
0.3464

Harmonies

Analogous

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



25.2460, 0.1733, 0.1459



25.2460, 0.2731, 0.1698



25.2460, 0.4161, 0.2215

Triad

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



25.2460, 0.2731, 0.1698



25.2460, 0.5170, 0.4591



25.2460, 0.1235, 0.3078

Complementary

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



25.2460, 0.2731, 0.1698



67.1310, 0.3292, 0.5081

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.



25.2460, 0.1897, 0.4824



25.2460, 0.2731, 0.1698



25.2460, 0.4140, 0.5541

Square

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



25.2460, 0.2731, 0.1698



25.2460, 0.5737, 0.3695



25.2460, 0.2973, 0.5921



25.2460, 0.1046, 0.1979

Rectangle

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



25.2460, 0.2731, 0.1698



25.2460, 0.5073, 0.2672



25.2460, 0.2973, 0.5921



25.2460, 0.1398, 0.3619

Sweetspot

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



25.2470, 0.2731, 0.1698



71.3607, 0.3040, 0.2827



27.9964, 0.2099, 0.1976



14.4210, 0.3023, 0.2748



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.



25.2470, 0.2731, 0.1698



23.2747, 0.2619, 0.1430



31.0098, 0.3438, 0.2088



15.0495, 0.3085, 0.3054



7.4107, 0.2390, 0.1090



0.6340, 0.2505, 0.1154

Inverse Universe

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



28.1436, 0.4356, 0.2793



27.4887, 0.4776, 0.2752



64.3100, 0.2939, 0.4933



15.1363, 0.3241, 0.3212



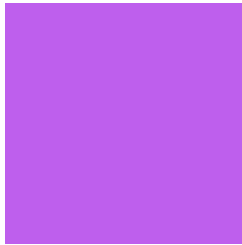
10.1555, 0.5646, 0.2884



0.8147, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 25.2460, 0.2731, 0.1698 looks on a white background.

Color Contrast Check

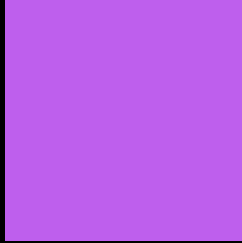
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2460, 0.2731, 0.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

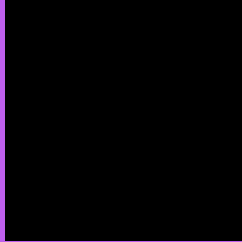
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2460, 0.2731, 0.1698

Background



This preview shows how black text looks on a background with the Yxy color 25.2460, 0.2731, 0.1698.



This preview shows how white text looks on a background with the Yxy color 25.2460, 0.2731, 0.1698.

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

25.2460, 0.2731, 0.1698

Protanopia

25.7260, 0.1920, 0.1680

Deuteranopia

25.7421, 0.2040, 0.1981



Tritanopia

25.1074, 0.3634, 0.3157

Trichromacy



Original Color

25.2460, 0.2731, 0.1698



Protanomaly

23.9233, 0.2105, 0.1632



Deuteranomaly

23.9141, 0.2207, 0.1804



Tritanomaly

24.4538, 0.3270, 0.2493

Monochromacy



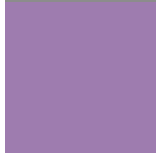
Original Color

25.2460, 0.2731, 0.1698



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.7795, 0.2975, 0.2538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2460, 0.2731, 0.1698 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(190, 95, 237)` looks like.

```
.text, #text, p{  
    color:rgb(190, 95, 237)  
}
```

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(190, 95, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 95, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.2460, 0.2731, 0.1698 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(190, 95, 237) }
```

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

```
.border{ border-color:rgb(190, 95, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 95, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 95, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 95, 237);  
box-shadow:4px 4px 4px 4px rgb(190, 95,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2460, 0.2731, 0.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 95, 237) }
```

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

```
.background{ background-color: rgb(190, 95,  
237) }
```

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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