

Converting Colors

$Y_{xy}(25.5325, 0.2637, 0.1685)$

Have a look what the booklet for
Yxy(25.5325, 0.2637, 0.1685)
contains.

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Color

Yxy(25.5325, 0.2637, 0.1685)

Conversions

Conversions Part 1

Format	Color
Hex	B764F1
RGB	183, 100, 241
RGB Percent	72%, 39%, 95%
CMY	0.2824, 0.6078, 0.0549
CMYK	0.24, 0.58, 0.00, 0.05
HSL	275°, 83%, 67%
HSV	275°, 58%, 95%
XYZ	39.9580, 25.5325, 86.0377
YIQ	140.8910, 4.2070, 61.4470

Conversions

Conversions Part 2

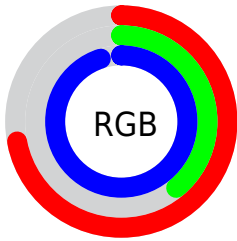
Format	Color
R _Y B	183, 100, 241
Decimal	12018929
CIE Lab	57.59, 57.36, -58.02
CIE LCh	58, 81.589, 314.673
Yxy	25.5325, 0.2637, 0.1685
Android (android.graphics.Color)	4290209009 (0xFFB764F1)
YUV	140.8910, 49.3537, 36.9296
Hunter-Lab	50.5297, 52.7277, -65.5832

Details

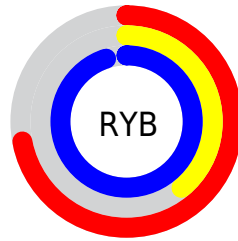
The Yxy color **25.5325, 0.2637, 0.1685** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **71.1016, 0.3365, 0.4999**, and the grayscale version is **26.3950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2084, 0.3065, 0.2278**, and **9.8503, 0.2452, 0.1324** is the 20% darker color. If you saturate the color by 10%, you get **20.3997, 0.2525, 0.1443**, and if you desaturate by 10%, it is **32.1198, 0.2744, 0.1956**.

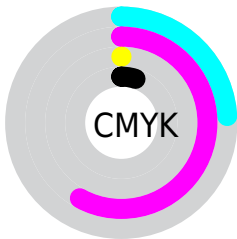
Distribution



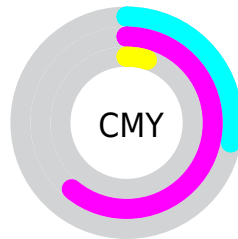
- Red (72%)
- Green (39%)
- Blue (95%)



- Red (72%)
- Yellow (39%)
- Blue (95%)



- Cyan (24%)
- Magenta (58%)
- Yellow (0%)
- Black (5%)





- Cyan (28%)
- Magenta (61%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5325, 0.2637, 0.1685 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 25.5325, 0.2637, 0.1685 by changing the saturation by 10% instead.


 25.5325, 0.2637,
0.1685


 25.5325, 0.2637,
0.1685


280.4795, 0.2924,
0.2433

 16.4742, 0.2557,
0.1521


 52.5198, 0.2749,
0.1941

 9.8603, 0.2450,
0.1325


 71.2176, 0.2789,
0.2042

 5.3065, 0.2305,
0.1090


 93.8974, 0.2822,
0.2129

 2.4282, 0.2099,
0.0812

 120.9435, 0.2849,
0.2205

 0.8403, 0.1801,
0.0495

152.7404, 0.2872,
0.2273

 0.0000, 0.1388,
0.0000


189.6724, 0.2892,


 0.0000, 0.0256,

0.2332

0.0000


232.1240, 0.2909,
0.2385

 0.0000, 0.0000,
0.0000


 25.5325, 0.2637,
0.1685


 25.5325, 0.2637,
0.1685


 20.3997, 0.2525,
0.1443


 32.1198, 0.2744,
0.1956


 16.5923, 0.2413,
0.1242

 40.2698, 0.2843,
0.2242


 13.9622, 0.2306,
0.1093

 50.0834, 0.2933,
0.2530

 12.2963, 0.2206,
0.0994


 61.6520, 0.3011,
0.2811

 12.0852, 0.2191,
0.0981

 75.0605, 0.3078,
0.3078

 90.3877, 0.3135,
0.3326

 98.6417, 0.3192,
0.3425

 99.1306, 0.3209,
0.3425

Harmonies

Analogous

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



25.5325, 0.1690, 0.1472



25.5325, 0.2637, 0.1685



25.5325, 0.4024, 0.2178

Triad

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



25.5325, 0.2637, 0.1685



25.5325, 0.5221, 0.4510



25.5325, 0.1293, 0.3210

Complementary

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



25.5325, 0.2637, 0.1685



71.1016, 0.3365, 0.4999

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.



25.5325, 0.1994, 0.4934



25.5325, 0.2637, 0.1685



25.5325, 0.4231, 0.5449

Square

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



25.5325, 0.2637, 0.1685



25.5325, 0.5716, 0.3633



25.5325, 0.3080, 0.5894



25.5325, 0.1069, 0.2061

Rectangle

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



25.5325, 0.2637, 0.1685



25.5325, 0.4945, 0.2624



25.5325, 0.3080, 0.5894



25.5325, 0.1469, 0.3759

Sweetspot

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



25.5335, 0.2637, 0.1685



70.7218, 0.3014, 0.2823



33.7749, 0.2157, 0.2176



14.2646, 0.2993, 0.2743



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.



25.5335, 0.2637, 0.1685



22.3472, 0.2506, 0.1405



33.4892, 0.3306, 0.2013



15.6884, 0.3072, 0.3053



6.6347, 0.2207, 0.0989



0.6100, 0.2335, 0.1060

Inverse Universe

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



30.2881, 0.4159, 0.2680



28.6988, 0.4494, 0.2613



66.7834, 0.2991, 0.5041



15.8667, 0.3229, 0.3193



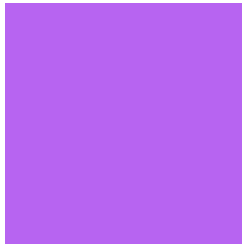
10.6567, 0.5330, 0.2710



0.9059, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 25.5325, 0.2637, 0.1685 looks on a white background.

Color Contrast Check

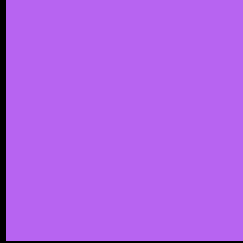
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5325, 0.2637, 0.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

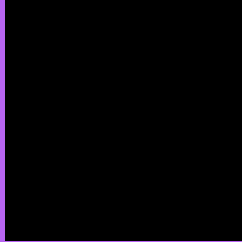
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5325, 0.2637, 0.1685

Background



This preview shows how black text looks on a background with the Yxy color 25.5325, 0.2637, 0.1685.

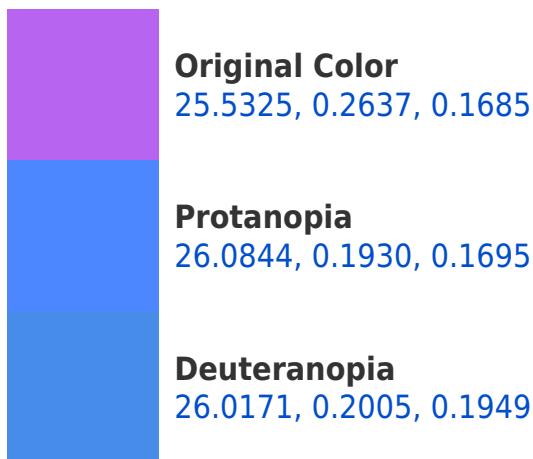


This preview shows how white text looks on a background with the Yxy color 25.5325, 0.2637, 0.1685.

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

25.3803, 0.3466, 0.3138

Trichromacy



Original Color

25.5325, 0.2637, 0.1685



Protanomaly

24.4660, 0.2096, 0.1639



Deuteranomaly

24.1681, 0.2147, 0.1780



Tritanomaly

24.8227, 0.3131, 0.2488

Monochromacy



Original Color

25.5325, 0.2637, 0.1685



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.1640, 0.2934, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5325, 0.2637, 0.1685 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(183, 100, 241)` looks like.

```
.text, #text, p{  
    color:rgb(183, 100, 241)  
}
```

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(183, 100, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 100, 241) }
```

Border

The CSS property to change the border of an element to Yxy 25.5325, 0.2637, 0.1685 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(183, 100, 241) }
```

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

```
.border{ border-color:rgb(183, 100, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 100, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 100, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 100, 241);  
box-shadow:4px 4px 4px 4px rgb(183, 100,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5325, 0.2637, 0.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 100, 241) }
```

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

```
.background{ background-color: rgb(183,  
100, 241) }
```

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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