

Converting Colors

$Y_{xy}(27.4992, 0.2589, 0.1629)$

Have a look what the booklet for
Yxy(27.4992, 0.2589, 0.1629)
contains.

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Color

Yxy(27.5416, 0.2592, 0.1630)

Conversions

Conversions Part 1

Format	Color
Hex	BD66FF
RGB	189, 102, 255
RGB Percent	74%, 40%, 100%
CMY	0.2587, 0.6001, 0.0000
CMYK	0.26, 0.60, 0.00, 0.00
HSL	274°, 100%, 70%
HSV	274°, 60%, 100%
XYZ	43.7962, 27.5416, 97.6291
YIQ	145.4550, 2.7390, 66.0270

Conversions

Conversions Part 2

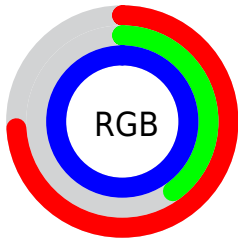
Format	Color
R _Y B	189, 102, 255
Decimal	12412671
CIE Lab	59.47, 60.88, -62.73
CIE LCh	59, 87.417, 314.141
Yxy	27.5416, 0.2592, 0.1630
Android (android.graphics.Color)	4290602751 (0xFFBD66FF)
YUV	145.4550, 54.0057, 38.1890
Hunter-Lab	52.4801, 57.1235, -73.5615

Details

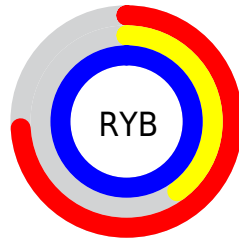
The Yxy color **27.5416, 0.2592, 0.1630** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.7967, 0.3385, 0.5038**, and the grayscale version is **28.2836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2904, 0.3114, 0.2321**, and **10.8895, 0.2401, 0.1278** is the 20% darker color. If you saturate the color by 10%, you get **21.9251, 0.2475, 0.1390**, and if you desaturate by 10%, it is **34.8053, 0.2706, 0.1901**.

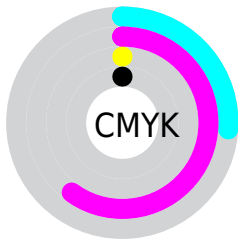
Distribution



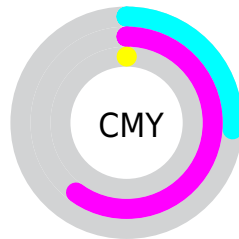
- Red (74%)
- Green (40%)
- Blue (100%)



- Red (74%)
- Yellow (40%)
- Blue (100%)



- Cyan (26%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5416, 0.2592, 0.1630 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 27.5416, 0.2592, 0.1630 by changing the saturation by 10% instead.


 27.5416, 0.2592,
0.1630


 27.5416, 0.2592,
0.1630


290.2700, 0.2899,
0.2386


 17.9804, 0.2509,
0.1469


 55.7517, 0.2710,
0.1885

 10.9359, 0.2400,
0.1279


 75.1695, 0.2752,
0.1986

 6.0238, 0.2254,
0.1054


 98.6415, 0.2788,
0.2075

 2.8595, 0.2054,
0.0791

 126.5522, 0.2817,
0.2152

 1.0588, 0.1771,
0.0496

159.2861, 0.2842,
0.2221

 0.0000, 0.1396,
0.0000

197.2274, 0.2864,


 0.0000, 0.0689,


0.2282


0.0000

240.7605, 0.2883,
0.2337


 0.0000, 0.0000,
0.0000


 27.5416, 0.2592,
0.1630


 27.5416, 0.2592,
0.1630


 21.9251, 0.2475,
0.1390

 34.8053, 0.2706,
0.1901


 17.8069, 0.2358,
0.1194


 43.8464, 0.2812,
0.2190

 15.0099, 0.2248,
0.1050

 54.7820, 0.2908,
0.2481

 13.2472, 0.2146,
0.0956

 67.7185, 0.2992,
0.2767

 82.7545, 0.3065,
0.3038

99.9821, 0.3127,
0.3290

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.



27.5416, 0.1631, 0.1418



27.5416, 0.2592, 0.1630



27.5416, 0.4031, 0.2128

Triad

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



27.5416, 0.2592, 0.1630



27.5416, 0.5286, 0.4497



27.5416, 0.1239, 0.3224

Complementary

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



27.5416, 0.2592, 0.1630



80.7967, 0.3385, 0.5038

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.



27.5416, 0.1957, 0.5050



27.5416, 0.2592, 0.1630



27.5416, 0.4257, 0.5490

Square

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



27.5416, 0.2592, 0.1630



27.5416, 0.5809, 0.3601



27.5416, 0.3072, 0.6018



27.5416, 0.1011, 0.2023

Rectangle

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



27.5416, 0.2592, 0.1630



27.5416, 0.5000, 0.2580



27.5416, 0.3072, 0.6018



27.5416, 0.1419, 0.3805

Sweetspot

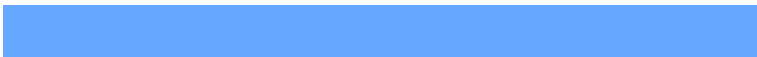
The Sweet Spot groups the original color and five complimentary colors.



27.5416, 0.2592, 0.1630



70.5688, 0.3008, 0.2822



38.1543, 0.2139, 0.2171



14.2272, 0.2985, 0.2741



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.



27.5416, 0.2592, 0.1630



20.9912, 0.2451, 0.1347



37.3381, 0.3288, 0.1966



17.8878, 0.3069, 0.3051



7.0119, 0.2162, 0.0965



0.7473, 0.2276, 0.1027

Inverse Universe

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



33.5826, 0.4166, 0.2637



28.0370, 0.4501, 0.2572



75.5171, 0.2998, 0.5126



18.1171, 0.3226, 0.3188



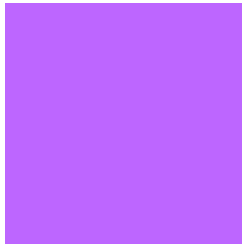
11.7247, 0.5256, 0.2669



1.1630, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 27.5416, 0.2592, 0.1630 looks on a white background.

Color Contrast Check

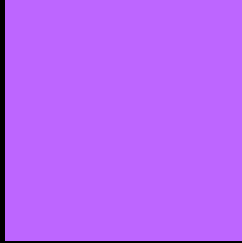
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5416, 0.2592, 0.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

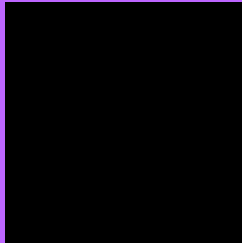
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5416, 0.2592, 0.1630

Background



This preview shows how black text looks on a background with the Yxy color 27.5416, 0.2592, 0.1630.



This preview shows how white text looks on a background with the Yxy color 27.5416, 0.2592, 0.1630.

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

27.5416, 0.2592, 0.1630

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.9946, 0.1952, 0.1892



Tritanopia

27.3347, 0.3432, 0.3127

Trichromacy



Original Color

27.5416, 0.2592, 0.1630



Protanomaly

26.4268, 0.2138, 0.1671



Deuteranomaly

25.7913, 0.2084, 0.1719



Tritanomaly

26.7269, 0.3090, 0.2448

Monochromacy



Original Color

27.5416, 0.2592, 0.1630



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.7804, 0.2912, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5416, 0.2592, 0.1630 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(189, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 102, 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(189, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.5416, 0.2592, 0.1630 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(189, 102, 255) }
```

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

```
.border{ border-color:rgb(189, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5416, 0.2592, 0.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 102, 255) }
```

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

```
.background{ background-color: rgb(189,  
102, 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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