

Converting Colors

$Y_{xy}(27.4394, 0.2585, 0.1627)$

Have a look what the booklet for
Yxy(27.4394, 0.2585, 0.1627)
contains.

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Color

Yxy(27.4141, 0.2583, 0.1626)

Conversions

Conversions Part 1

Format	Color
Hex	BC66FF
RGB	188, 102, 255
RGB Percent	74%, 40%, 100%
CMY	0.2627, 0.6001, 0.0000
CMYK	0.26, 0.60, 0.00, 0.00
HSL	274°, 100%, 70%
HSV	274°, 60%, 100%
XYZ	43.5490, 27.4141, 97.6353
YIQ	145.1560, 2.1430, 65.8150

Conversions

Conversions Part 2

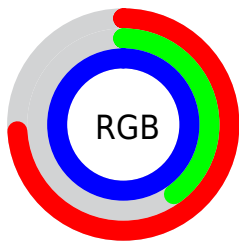
Format	Color
R _Y B	188, 102, 255
Decimal	12347135
CIE Lab	59.36, 60.65, -62.94
CIE LCh	59, 87.408, 313.942
Yxy	27.4141, 0.2583, 0.1626
Android (android.graphics.Color)	4290537215 (0xFFBC66FF)
YUV	145.1560, 54.1531, 37.5742
Hunter-Lab	52.3585, 56.8394, -73.9099

Details

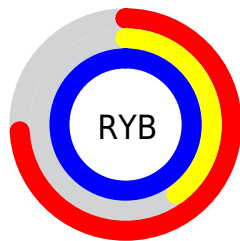
The Yxy color **27.4141, 0.2583, 0.1626** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.9088, 0.3391, 0.5034**, and the grayscale version is **28.1544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1081, 0.3106, 0.2318**, and **10.8101, 0.2390, 0.1273** is the 20% darker color. If you saturate the color by 10%, you get **21.7859, 0.2464, 0.1385**, and if you desaturate by 10%, it is **34.6898, 0.2699, 0.1899**.

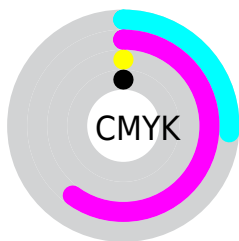
Distribution



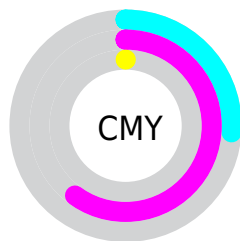
- Red (74%)
- Green (40%)
- Blue (100%)



- 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 27.4141, 0.2583, 0.1626 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 27.4141, 0.2583, 0.1626 by changing the saturation by 10% instead.

 27.4141, 0.2583,
0.1626


 27.4141, 0.2583,
0.1626

289.6566, 0.2895,
0.2384


 17.8845, 0.2499,
0.1465


 55.5477, 0.2702,
0.1881


 10.8671, 0.2389,
0.1274


 74.9204, 0.2746,
0.1983

 5.9775, 0.2241,
0.1048


 98.3429, 0.2781,
0.2072

 2.8314, 0.2039,
0.0785

 126.1996, 0.2811,
0.2150

 1.0444, 0.1753,
0.0491

158.8750, 0.2837,
0.2219

 0.0000, 0.1376,
0.0000

196.7533, 0.2859,


 0.0000, 0.0658,


0.2280

0.0000


240.2190, 0.2878,
0.2334


 0.0000, 0.0000,
0.0000

 27.4141, 0.2583,
0.1626


 27.4141, 0.2583,
0.1626


 21.7859, 0.2464,
0.1385

 34.6898, 0.2699,
0.1899

 17.6605, 0.2346,
0.1187

 43.7476, 0.2806,
0.2188

 14.8590, 0.2234,
0.1043

 54.7030, 0.2904,
0.2480

 13.0945, 0.2132,
0.0948

 67.6628, 0.2990,
0.2766

 82.7258, 0.3064,
0.3037

99.9838, 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.



27.4141, 0.1624, 0.1415



27.4141, 0.2583, 0.1626



27.4141, 0.4022, 0.2122

Triad

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



27.4141, 0.2583, 0.1626



27.4141, 0.5294, 0.4490



27.4141, 0.1240, 0.3234

Complementary

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



27.4141, 0.2583, 0.1626



80.9088, 0.3391, 0.5034

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.



27.4141, 0.1962, 0.5065



27.4141, 0.2583, 0.1626



27.4141, 0.4264, 0.5486

Square

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



27.4141, 0.2583, 0.1626



27.4141, 0.5812, 0.3595



27.4141, 0.3079, 0.6022



27.4141, 0.1009, 0.2027

Rectangle

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



27.4141, 0.2583, 0.1626



27.4141, 0.4994, 0.2574



27.4141, 0.3079, 0.6022



27.4141, 0.1421, 0.3818

Sweetspot

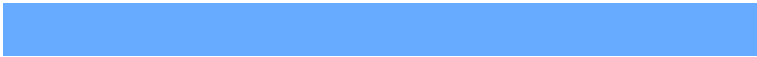
The Sweet Spot groups the original color and five complimentary colors.



27.4127, 0.2583, 0.1626



70.5169, 0.3006, 0.2822



39.1080, 0.2146, 0.2206



14.2145, 0.2983, 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.



27.4127, 0.2583, 0.1626



20.8499, 0.2440, 0.1342



37.4953, 0.3263, 0.1947



17.8816, 0.3067, 0.3051



6.9321, 0.2148, 0.0957



0.7397, 0.2263, 0.1020

Inverse Universe

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



33.6211, 0.4153, 0.2627



28.0767, 0.4483, 0.2560



75.4612, 0.3008, 0.5155



18.1191, 0.3225, 0.3186



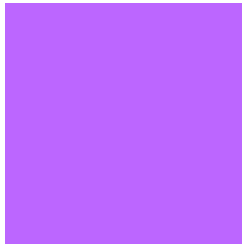
11.7443, 0.5228, 0.2654



1.1650, 0.4942, 0.2496

Previews

White Background



This preview shows how the Yxy color 27.4141, 0.2583, 0.1626 looks on a white background.

Color Contrast Check

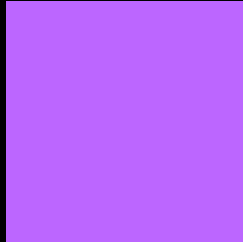
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4141, 0.2583, 0.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

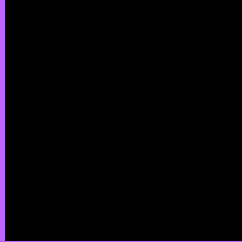
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4141, 0.2583, 0.1626

Background



This preview shows how black text looks on a background with the Yxy color 27.4141, 0.2583, 0.1626.



This preview shows how white text looks on a background with the Yxy color 27.4141, 0.2583, 0.1626.

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

27.4141, 0.2583, 0.1626

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.9614, 0.1949, 0.1891



Tritanopia

27.2237, 0.3420, 0.3126

Trichromacy



Original Color

27.4141, 0.2583, 0.1626



Protanomaly

26.4268, 0.2138, 0.1671



Deuteranomaly

25.7282, 0.2078, 0.1717



Tritanomaly

26.6099, 0.3079, 0.2445

Monochromacy



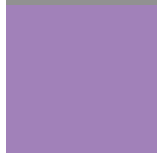
Original Color

27.4141, 0.2583, 0.1626



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 27.4141, 0.2583, 0.1626 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(188, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.4141, 0.2583, 0.1626 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(188, 102, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4141, 0.2583, 0.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 102, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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