

Converting Colors

$Y_{xy}(27.7632, 0.2582, 0.1642)$

Have a look what the booklet for
Yxy(27.7632, 0.2582, 0.1642)
contains.

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Color

Yxy(27.8120, 0.2585, 0.1644)

Conversions

Conversions Part 1

Format	Color
Hex	BC68FF
RGB	188, 104, 255
RGB Percent	74%, 41%, 100%
CMY	0.2628, 0.5921, 0.0002
CMYK	0.26, 0.59, 0.00, 0.00
HSL	273°, 100%, 70%
HSV	273°, 59%, 100%
XYZ	43.7312, 27.8120, 97.6296
YIQ	146.3300, 1.5930, 64.7690

Conversions

Conversions Part 2

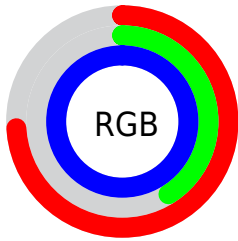
Format	Color
R_{YB}	188, 104, 255
Decimal	12347647
CIE _{Lab}	59.72, 59.63, -62.31
CIE _{LCh}	60, 86.243, 313.740
Yxy	27.8120, 0.2585, 0.1644
Android (android.graphics.Color)	4290537727 (0xFFBC68FF)
YUV	146.3300, 53.5743, 36.5446
Hunter-Lab	52.7371, 55.7276, -72.8447

Details

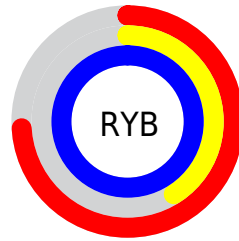
The Yxy color $27.8120, 0.2585, 0.1644$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $81.1451, 0.3396, 0.5008$, and the grayscale version is $28.6654, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7904, 0.3105, 0.2337$, and $11.0582, 0.2393, 0.1295$ is the 20% darker color. If you saturate the color by 10%, you get $22.0511, 0.2465, 0.1398$, and if you desaturate by 10%, it is $35.2386, 0.2701, 0.1919$.

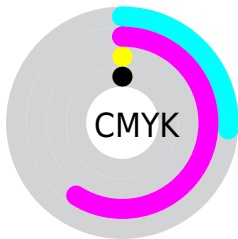
Distribution



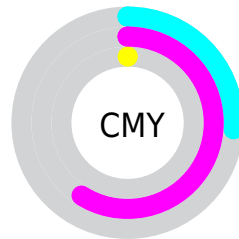
- Red (74%)
- Green (41%)
- Blue (100%)



- Red (74%)
- Yellow (41%)
- Blue (100%)



- Cyan (26%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8120, 0.2585, 0.1644 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 27.8120, 0.2585, 0.1644 by changing the saturation by 10% instead.


 27.8120, 0.2585,
0.1644


 27.8120, 0.2585,
0.1644


291.5675, 0.2894,
0.2394


 18.1840, 0.2501,
0.1484


 56.1842, 0.2703,
0.1897


 11.0822, 0.2392,
0.1294


 75.6971, 0.2746,
0.1998

 6.1221, 0.2247,
0.1069


 99.2738, 0.2782,
0.2086

 2.9195, 0.2046,
0.0806

 127.2986, 0.2812,
0.2163

 1.0898, 0.1763,
0.0510

160.1560, 0.2837,
0.2231

 0.0000, 0.1391,
0.0000

198.2304, 0.2859,

 0.0000, 0.0681,

0.2291

0.0000

241.9061, 0.2878,
0.2346

■ 0.0000, 0.0000,
0.0000

■ 27.8120, 0.2585,
0.1644

■ 27.8120, 0.2585,
0.1644

■ 22.0511, 0.2465,
0.1398

■ 35.2386, 0.2701,
0.1919

■ 17.8055, 0.2345,
0.1196

■ 44.4568, 0.2810,
0.2210

■ 14.9017, 0.2231,
0.1046

■ 55.5838, 0.2908,
0.2503

■ 13.0785, 0.2127,
0.0948

■ 68.7258, 0.2994,
0.2788

■ 12.9537, 0.2119,
0.0941

■ 83.9807, 0.3069,
0.3059

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



27.8120, 0.1640, 0.1437



27.8120, 0.2585, 0.1644



27.8120, 0.3998, 0.2135

Triad

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



27.8120, 0.2585, 0.1644



27.8120, 0.5278, 0.4483



27.8120, 0.1269, 0.3251

Complementary

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



27.8120, 0.2585, 0.1644



81.1451, 0.3396, 0.5008

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.



27.8120, 0.1991, 0.5039



27.8120, 0.2585, 0.1644



27.8120, 0.4270, 0.5457

Square

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



27.8120, 0.2585, 0.1644



27.8120, 0.5775, 0.3597



27.8120, 0.3099, 0.5972



27.8120, 0.1034, 0.2054

Rectangle

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



27.8120, 0.2585, 0.1644



27.8120, 0.4953, 0.2583



27.8120, 0.3099, 0.5972



27.8120, 0.1451, 0.3824

Sweetspot

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



27.8131, 0.2585, 0.1644



70.4704, 0.3004, 0.2822



39.6444, 0.2159, 0.2223



14.2032, 0.2980, 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.



27.8131, 0.2585, 0.1644



21.1875, 0.2443, 0.1358



37.8969, 0.3262, 0.1961



17.8761, 0.3067, 0.3051



6.8615, 0.2135, 0.0950



0.7329, 0.2251, 0.1014

Inverse Universe

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



34.0961, 0.4120, 0.2625



28.4931, 0.4439, 0.2553



75.5939, 0.3009, 0.5128



18.1210, 0.3224, 0.3185



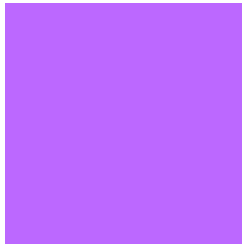
11.7623, 0.5203, 0.2640



1.1668, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 27.8120, 0.2585, 0.1644 looks on a white background.

Color Contrast Check

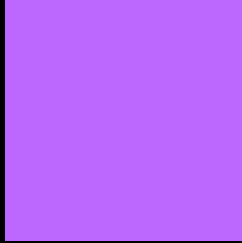
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8120, 0.2585, 0.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

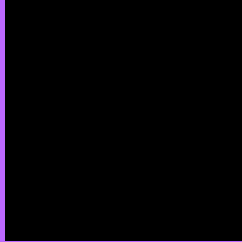
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8120, 0.2585, 0.1644

Background



This preview shows how black text looks on a background with the Yxy color 27.8120, 0.2585, 0.1644.

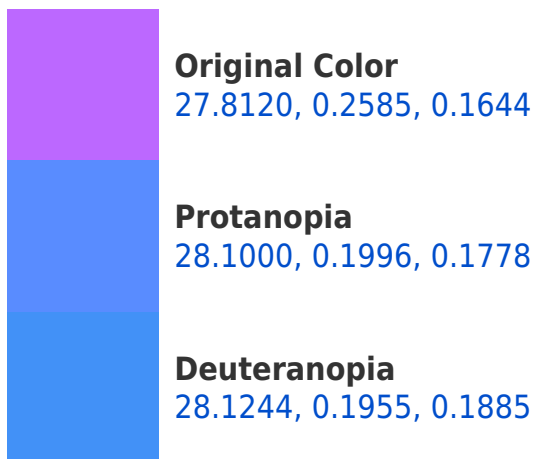


This preview shows how white text looks on a background with the Yxy color 27.8120, 0.2585, 0.1644.

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

27.5295, 0.3407, 0.3127

Trichromacy



Original Color

27.8120, 0.2585, 0.1644



Protanomaly

26.7587, 0.2147, 0.1685



Deuteranomaly

26.1824, 0.2088, 0.1726



Tritanomaly

26.8988, 0.3069, 0.2446

Monochromacy



Original Color

27.8120, 0.2585, 0.1644



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.3548, 0.2904, 0.2507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8120, 0.2585, 0.1644 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, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 104, 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, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8120, 0.2585, 0.1644 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, 104, 255) }
```

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

```
.border{ border-color:rgb(188, 104, 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, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 104,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8120, 0.2585, 0.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 104, 255) }
```

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

```
.background{ background-color: rgb(188,  
104, 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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