

Converting Colors

$Y_{xy}(28.4508, 0.2309, 0.1369)$

Have a look what the booklet for
Yxy(28.4508, 0.2309, 0.1369)
contains.

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Color

Yxy(25.7791, 0.2519, 0.1566)

Conversions

Conversions Part 1

Format	Color
Hex	B562FF
RGB	181, 98, 255
RGB Percent	71%, 38%, 100%
CMY	0.2902, 0.6156, 0.0001
CMYK	0.29, 0.62, 0.00, 0.00
HSL	272°, 100%, 69%
HSV	272°, 62%, 100%
XYZ	41.4671, 25.7791, 97.3712
YIQ	140.7150, -0.9290, 66.4230

Conversions

Conversions Part 2

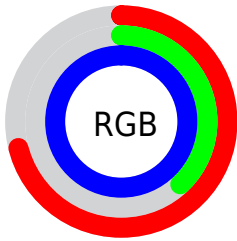
Format	Color
R _{YB}	181, 98, 255
Decimal	11887359
CIE _{Lab}	57.83, 61.00, -65.40
CIE _{LCh}	58, 89.434, 313.007
Yxy	25.7791, 0.2519, 0.1566
Android (android.graphics.Color)	4290077439 (0xFFB562FF)
YUV	140.7150, 56.3425, 35.3299
Hunter-Lab	50.7731, 56.9306, -78.1635

Details

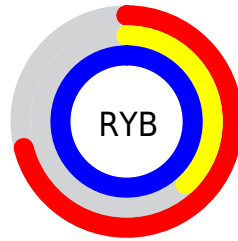
The Yxy color **25.7791, 0.2519, 0.1566** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.1533, 0.3426, 0.5058**, and the grayscale version is **26.2973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2017, 0.3049, 0.2254**, and **9.9699, 0.2307, 0.1204** is the 20% darker color. If you saturate the color by 10%, you get **20.3528, 0.2392, 0.1324**, and if you desaturate by 10%, it is **32.8516, 0.2644, 0.1841**.

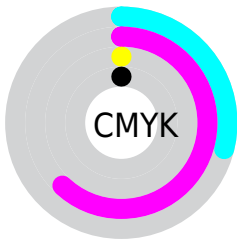
Distribution



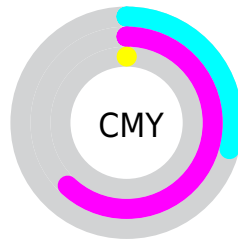
- Red (71%)
- Green (38%)
- Blue (100%)



- Red (71%)
- Yellow (38%)
- Blue (100%)



- Cyan (29%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7791, 0.2519, 0.1566 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 25.7791, 0.2519, 0.1566 by changing the saturation by 10% instead.


 25.7791, 0.2519,
0.1566

 25.7791, 0.2519,
0.1566


281.6960, 0.2866,
0.2352


 16.6585, 0.2426,
0.1399


 52.9184, 0.2651,
0.1830


 9.9913, 0.2304,
0.1204


 71.7058, 0.2700,
0.1936

 5.3932, 0.2143,
0.0974


 94.4842, 0.2739,
0.2028

 2.4797, 0.1923,
0.0709

 121.6381, 0.2773,
0.2109

 0.8665, 0.1617,
0.0420

153.5519, 0.2801,
0.2180

 0.0000, 0.1212,
0.0000

190.6098, 0.2826,

 0.0000, 0.0394,

0.2244

0.0000

233.1964, 0.2847,
0.2300

0.0000, 0.0000,
0.0000

25.7791, 0.2519,
0.1566

25.7791, 0.2519,
0.1566

20.3528, 0.2392,
0.1324

32.8516, 0.2644,
0.1841

16.4166, 0.2267,
0.1129

41.7009, 0.2762,
0.2133

13.7878, 0.2151,
0.0989

52.4474, 0.2869,
0.2430

12.3510, 0.2061,
0.0909

65.1997, 0.2964,
0.2721

80.0581, 0.3047,
0.2996

97.1163, 0.3117,
0.3252

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



25.7791, 0.1555, 0.1361



25.7791, 0.2519, 0.1566



25.7791, 0.4004, 0.2063

Triad

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



25.7791, 0.2519, 0.1566



25.7791, 0.5370, 0.4459



25.7791, 0.1191, 0.3273

Complementary

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



25.7791, 0.2519, 0.1566



81.1533, 0.3426, 0.5058

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.



25.7791, 0.1938, 0.5214



25.7791, 0.2519, 0.1566



25.7791, 0.4304, 0.5509

Square

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



25.7791, 0.2519, 0.1566



25.7791, 0.5907, 0.3547



25.7791, 0.3085, 0.6146



25.7791, 0.0953, 0.2000

Rectangle

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



25.7791, 0.2519, 0.1566



25.7791, 0.5030, 0.2519



25.7791, 0.3085, 0.6146



25.7791, 0.1378, 0.3895

Sweetspot

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



25.7800, 0.2519, 0.1566



70.2550, 0.2995, 0.2820



40.0417, 0.2139, 0.2243



14.1506, 0.2970, 0.2739



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.



25.7800, 0.2519, 0.1566



19.2642, 0.2361, 0.1272



37.0444, 0.3218, 0.1885



17.8503, 0.3062, 0.3050



6.5451, 0.2078, 0.0918



0.7023, 0.2197, 0.0984

Inverse Universe

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



32.9724, 0.4124, 0.2564



27.5665, 0.4445, 0.2493



75.0306, 0.3024, 0.5262



18.1296, 0.3220, 0.3178



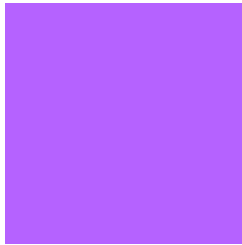
11.8495, 0.5086, 0.2575



1.1756, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 25.7791, 0.2519, 0.1566 looks on a white background.

Color Contrast Check

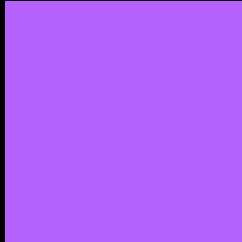
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7791, 0.2519, 0.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

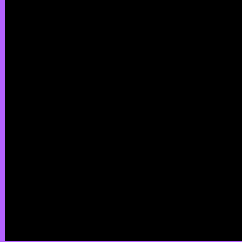
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7791, 0.2519, 0.1566

Background



This preview shows how black text looks on a background with the Yxy color 25.7791, 0.2519, 0.1566.



This preview shows how white text looks on a background with the Yxy color 25.7791, 0.2519, 0.1566.

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

25.7791, 0.2519, 0.1566

Protanopia

26.1257, 0.1934, 0.1697

Deuteranopia

26.1750, 0.1879, 0.1817



Tritanopia

25.6293, 0.3354, 0.3135

Trichromacy



Original Color

25.7791, 0.2519, 0.1566

Protanomaly

24.7839, 0.2075, 0.1603

Deuteranomaly

23.7821, 0.1985, 0.1637

Tritanomaly

24.8959, 0.3013, 0.2405

Monochromacy



Original Color

25.7791, 0.2519, 0.1566

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.1125, 0.2887, 0.2458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7791, 0.2519, 0.1566 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(181, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 98, 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(181, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.7791, 0.2519, 0.1566 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(181, 98, 255) }
```

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

```
.border{ border-color:rgb(181, 98, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 98,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7791, 0.2519, 0.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 98, 255) }
```

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

```
.background{ background-color: rgb(181, 98,  
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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