

Converting Colors

$Y_{xy}(31.9545, 0.2562, 0.1823)$

Have a look what the booklet for
Yxy(31.9545, 0.2562, 0.1823)
contains.

Yxy(31.9545, 0.2562, 0.1823)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9545, 0.2562, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	B77DFF
RGB	183, 125, 255
RGB Percent	72%, 49%, 100%
CMY	0.2825, 0.5097, 0.0000
CMYK	0.28, 0.51, 0.00, 0.00
HSL	267°, 100%, 75%
HSV	267°, 51%, 100%
XYZ	44.9081, 31.9545, 98.4227
YIQ	157.1620, -7.1620, 52.7260

Conversions

Conversions Part 2

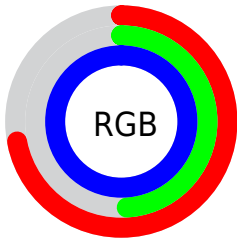
Format	Color
RYB	183, 125, 255
Decimal	12025343
CIELab	63.31, 47.60, -56.65
CIELCh	63, 73.989, 310.040
Yxy	31.9545, 0.2562, 0.1823
Android (android.graphics.Color)	4290215423 (0xFFB77DFF)
YUV	157.1620, 48.2341, 22.6599
Hunter-Lab	56.5283, 42.8821, -63.6613

Details

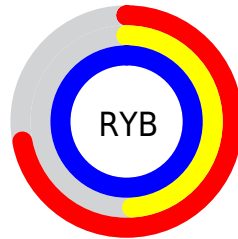
The Yxy color **31.9545, 0.2562, 0.1823** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.8777, 0.3475, 0.4719**, and the grayscale version is **33.5745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3374, 0.3061, 0.2523**, and **13.4104, 0.2372, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **24.6588, 0.2417, 0.1533**, and if you desaturate by 10%, it is **41.0813, 0.2700, 0.2129**.

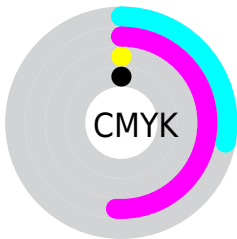
Distribution



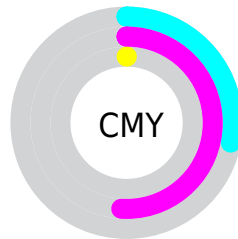
- Red (72%)
- Green (49%)
- Blue (100%)



- Red (72%)
- Yellow (49%)
- Blue (100%)



- Cyan (28%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9545, 0.2562, 0.1823 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 31.9545, 0.2562, 0.1823 by changing the saturation by 10% instead.


 31.9545, 0.2562,
0.1823


 31.9545, 0.2562,
0.1823


310.9119, 0.2870,
0.2498

 21.3267, 0.2481,
0.1675


 62.7398, 0.2678,
0.2053

 13.3631, 0.2378,
0.1499


 83.6660, 0.2720,
0.2144

 7.6790, 0.2240,
0.1285


 108.7940, 0.2756,
0.2223

 3.8903, 0.2052,
0.1027

138.5079, 0.2786,
0.2292

 1.6124, 0.1788,
0.0721

173.1923, 0.2811,
0.2353

 0.3659, 0.1422,
0.0306

213.2315, 0.2834,

 0.0000, 0.0805,

0.2407

0.0000

259.0099, 0.2853,
0.2455

0.0000, 0.0000,
0.0000

31.9545, 0.2562,
0.1823

31.9545, 0.2562,
0.1823

24.6588, 0.2417,
0.1533

41.0813, 0.2700,
0.2129

19.0592, 0.2271,
0.1275

52.1597, 0.2825,
0.2436

15.0019, 0.2131,
0.1064

65.2997, 0.2938,
0.2732

12.3029, 0.2004,
0.0912

80.6032, 0.3036,
0.3010

10.7767, 0.1903,
0.0822

98.1648, 0.3120,
0.3266

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.



31.9545, 0.1775, 0.1671



31.9545, 0.2562, 0.1823



31.9545, 0.3708, 0.2239

Triad

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



31.9545, 0.2562, 0.1823



31.9545, 0.5104, 0.4336



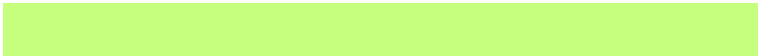
31.9545, 0.1602, 0.3460

Complementary

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



31.9545, 0.2562, 0.1823



84.8777, 0.3475, 0.4719

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.



31.9545, 0.2320, 0.4830



31.9545, 0.2562, 0.1823



31.9545, 0.4325, 0.5108

Square

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



31.9545, 0.2562, 0.1823



31.9545, 0.5363, 0.3562



31.9545, 0.3321, 0.5480



31.9545, 0.1308, 0.2370

Rectangle

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



31.9545, 0.2562, 0.1823



31.9545, 0.4504, 0.2633



31.9545, 0.3321, 0.5480



31.9545, 0.1795, 0.3926

Sweetspot

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



31.9546, 0.2562, 0.1823



74.1761, 0.2998, 0.2901



52.2778, 0.2327, 0.2596



15.1872, 0.2977, 0.2842



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.



31.9546, 0.2562, 0.1823



24.6423, 0.2417, 0.1532



41.5445, 0.3108, 0.2033



17.7741, 0.3049, 0.3049



5.7165, 0.1920, 0.0831



0.6202, 0.2045, 0.0900

Inverse Universe

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



39.9645, 0.3758, 0.2560



33.7994, 0.3946, 0.2444



78.0432, 0.3094, 0.4903



18.1556, 0.3207, 0.3159



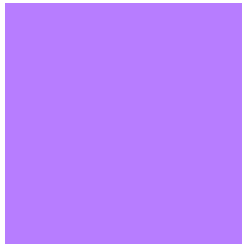
12.1490, 0.4735, 0.2382



1.2049, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 31.9545, 0.2562, 0.1823 looks on a white background.

Color Contrast Check

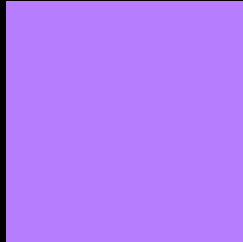
Large Text (above 18pt) WCAG AA × Fail

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 31.9545, 0.2562, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

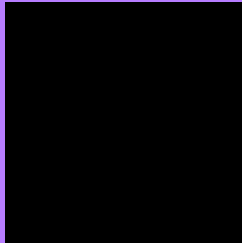
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9545, 0.2562, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 31.9545, 0.2562, 0.1823.



This preview shows how white text looks on a background with the Yxy color 31.9545, 0.2562, 0.1823.

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

31.9545, 0.2562, 0.1823

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.3837, 0.2088, 0.2026



Tritanopia

31.7172, 0.3187, 0.3114

Trichromacy



Original Color

31.9545, 0.2562, 0.1823



Protanomaly

31.5040, 0.2247, 0.1876



Deuteranomaly

31.1220, 0.2215, 0.1915



Tritanomaly

31.4670, 0.2935, 0.2548

Monochromacy



Original Color

31.9545, 0.2562, 0.1823



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.2080, 0.2896, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9545, 0.2562, 0.1823 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, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 125, 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(183, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.9545, 0.2562, 0.1823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

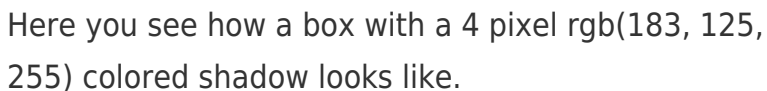
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 125, 255) }
```

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

```
.border{ border-color:rgb(183, 125, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 125,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9545, 0.2562, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 125, 255) }
```

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

```
.background{ background-color: rgb(183,  
125, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor