

Converting Colors

$Y_{xy}(32.8672, 0.2533, 0.1737)$

Have a look what the booklet for
Yxy(32.8672, 0.2533, 0.1737)
contains.

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Color

Yxy(32.2047, 0.2610, 0.1822)

Conversions

Conversions Part 1

Format	Color
Hex	BD7BFF
RGB	189, 123, 255
RGB Percent	74%, 48%, 100%
CMY	0.2586, 0.5178, 0.0000
CMYK	0.26, 0.52, 0.00, 0.00
HSL	270°, 100%, 74%
HSV	270°, 52%, 100%
XYZ	46.1330, 32.2047, 98.4170
YIQ	157.7820, -3.0360, 55.0440

Conversions

Conversions Part 2

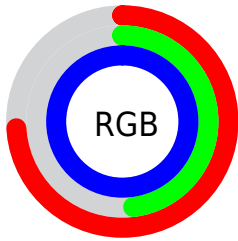
Format	Color
R _{YB}	189, 123, 255
Decimal	12418047
CIE _{Lab}	63.51, 50.22, -56.29
CIE _{LCh}	64, 75.432, 311.740
Yxy	32.2047, 0.2610, 0.1822
Android (android.graphics.Color)	4290608127 (0xFFBD7BFF)
YUV	157.7820, 47.9285, 27.3782
Hunter-Lab	56.7492, 45.7965, -63.0990

Details

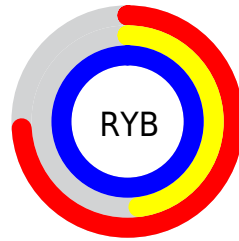
The Yxy color **32.2047, 0.2610, 0.1822** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **83.7566, 0.3430, 0.4765**, and the grayscale version is **33.8670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6207, 0.3108, 0.2514**, and **13.4892, 0.2431, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **25.1237, 0.2478, 0.1543**, and if you desaturate by 10%, it is **41.0745, 0.2735, 0.2119**.

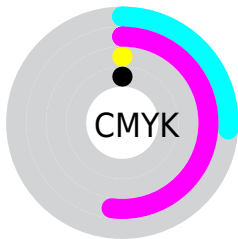
Distribution



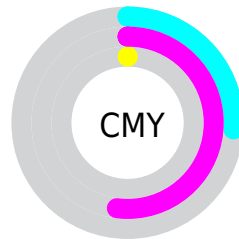
- Red (74%)
- Green (48%)
- Blue (100%)



- Red (74%)
- Yellow (48%)
- Blue (100%)



- Cyan (26%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2047, 0.2610, 0.1822 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 32.2047, 0.2610, 0.1822 by changing the saturation by 10% instead.


 32.2047, 0.2610,
0.1822


 32.2047, 0.2610,
0.1822


312.0507, 0.2895,
0.2496

 21.5179, 0.2535,
0.1675


 63.1319, 0.2718,
0.2051

 13.5031, 0.2437,
0.1500


 84.1410, 0.2757,
0.2142

 7.7759, 0.2307,
0.1288


 109.3597, 0.2790,
0.2221

 3.9519, 0.2128,
0.1031

139.1724, 0.2818,
0.2289

 1.6467, 0.1875,
0.0727

173.9634, 0.2841,
0.2350

 0.3888, 0.1519,
0.0321

214.1172, 0.2862,

 0.0000, 0.0941,

0.2404


0.0000

260.0182, 0.2880,
0.2452

 0.0000, 0.0000,
0.0000

 32.2047, 0.2610,
0.1822

 32.2047, 0.2610,
0.1822

 25.1237, 0.2478,
0.1543


 41.0745, 0.2735,
0.2119


 19.6991, 0.2344,
0.1298


 51.8554, 0.2849,
0.2420


 15.7757, 0.2214,
0.1099

 64.6563, 0.2951,
0.2712

 13.1682, 0.2094,
0.0957

 79.5782, 0.3039,
0.2990

 11.7815, 0.2005,
0.0878

 96.7153, 0.3115,
0.3247

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.



32.2047, 0.1791, 0.1653



32.2047, 0.2610, 0.1822



32.2047, 0.3788, 0.2255

Triad

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



32.2047, 0.2610, 0.1822



32.2047, 0.5093, 0.4387



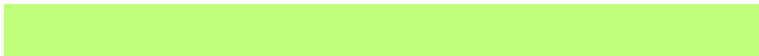
32.2047, 0.1553, 0.3383

Complementary

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



32.2047, 0.2610, 0.1822



83.7566, 0.3430, 0.4765

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.



32.2047, 0.2253, 0.4790



32.2047, 0.2610, 0.1822



32.2047, 0.4281, 0.5167

Square

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



32.2047, 0.2610, 0.1822



32.2047, 0.5401, 0.3601



32.2047, 0.3258, 0.5513



32.2047, 0.1281, 0.2308

Rectangle

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



32.2047, 0.2610, 0.1822



32.2047, 0.4589, 0.2659



32.2047, 0.3258, 0.5513



32.2047, 0.1738, 0.3853

Sweetspot

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



32.2040, 0.2610, 0.1822



73.0125, 0.3004, 0.2875



47.8168, 0.2292, 0.2468



14.9728, 0.2985, 0.2818



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.



32.2040, 0.2610, 0.1822



24.9855, 0.2475, 0.1537



42.6378, 0.3186, 0.2046



17.8244, 0.3058, 0.3050



6.2449, 0.2022, 0.0888



0.6730, 0.2144, 0.0955

Inverse Universe

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



39.0881, 0.3854, 0.2620



32.9200, 0.4077, 0.2517



77.1578, 0.3049, 0.4953



18.1384, 0.3215, 0.3172



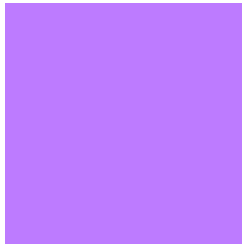
11.9445, 0.4967, 0.2510



1.1850, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 32.2047, 0.2610, 0.1822 looks on a white background.

Color Contrast Check

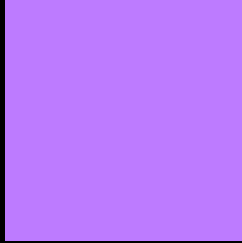
Large Text (above 18pt) WCAG AA × Fail

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 32.2047, 0.2610, 0.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

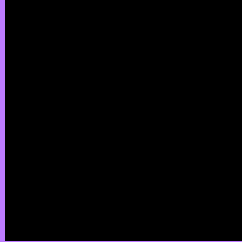
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2047, 0.2610, 0.1822

Background



This preview shows how black text looks on a background with the Yxy color 32.2047, 0.2610, 0.1822.



This preview shows how white text looks on a background with the Yxy color 32.2047, 0.2610, 0.1822.

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

32.2047, 0.2610, 0.1822

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.4921, 0.2096, 0.2028



Tritanopia

32.1067, 0.3280, 0.3132

Trichromacy



Original Color

32.2047, 0.2610, 0.1822



Protanomaly

31.7587, 0.2266, 0.1883



Deuteranomaly

31.3558, 0.2233, 0.1921



Tritanomaly

31.4922, 0.3011, 0.2557

Monochromacy



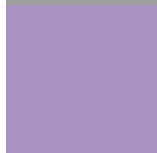
Original Color

32.2047, 0.2610, 0.1822



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.5361, 0.2925, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2047, 0.2610, 0.1822 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, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 123, 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, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 123, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2047, 0.2610, 0.1822 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, 123, 255) }
```

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

```
.border{ border-color:rgb(189, 123, 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, 123, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 123,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2047, 0.2610, 0.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 123, 255) }
```

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

```
.background{ background-color: rgb(189,  
123, 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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