

Converting Colors

$Y_{xy}(33.4572, 0.2515, 0.1775)$

Have a look what the booklet for
Yxy(33.4572, 0.2515, 0.1775)
contains.

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Color

Yxy(32.7130, 0.2581, 0.1849)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B97FFF |
| RGB | 185, 127, 255 |
| RGB Percent | 73%, 50%, 100% |
| CMY | 0.2742, 0.5021, 0.0000 |
| CMYK | 0.27, 0.50, 0.00, 0.00 |
| HSL | 267°, 100%, 75% |
| HSV | 267°, 50%, 100% |
| XYZ | 45.6637, 32.7130, 98.5459 |
| YIQ | 158.9340, -6.5200, 52.1040 |

Conversions

Conversions Part 2

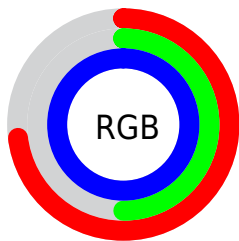
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 185, 127, 255 |
| Decimal | 12156927 |
| CIE _{Lab} | 63.93, 47.09, -55.65 |
| CIE _{LCh} | 64, 72.901, 310.235 |
| Yxy | 32.7130, 0.2581, 0.1849 |
| Android (android.graphics.Color) | 4290347007 (0xFFB97FFF) |
| YUV | 158.9340, 47.3605, 22.8599 |
| Hunter-Lab | 57.1953, 42.4196, -62.1184 |

Details

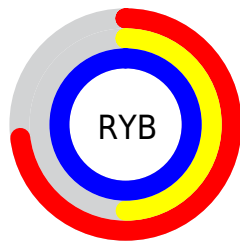
The Yxy color $32.7130, 0.2581, 0.1849$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $84.9068, 0.3465, 0.4700$, and the grayscale version is $34.4201, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5008, 0.3076, 0.2546$, and $13.8353, 0.2396, 0.1529$ is the 20% darker color. If you saturate the color by 10%, you get $25.2913, 0.2439, 0.1559$, and if you desaturate by 10%, it is $41.9683, 0.2716, 0.2154$.

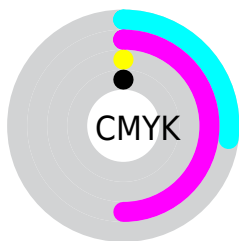
Distribution



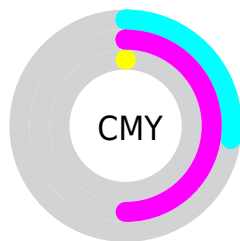
- Red (73%)
- Green (50%)
- Blue (100%)



- Red (73%)
- Yellow (50%)
- Blue (100%)



- Cyan (27%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7130, 0.2581, 0.1849 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 32.7130, 0.2581, 0.1849 by changing the saturation by 10% instead.

 32.7130, 0.2581,
0.1849


 32.7130, 0.2581,
0.1849


314.3545, 0.2879,
0.2512


 21.9067, 0.2503,
0.1704


 63.9272, 0.2692,
0.2075

 13.7883, 0.2403,
0.1530


 85.1038, 0.2734,
0.2164

 7.9736, 0.2270,
0.1319

 110.5061, 0.2768,
0.2242

 4.0781, 0.2088,
0.1063

140.5183, 0.2797,
0.2310

 1.7173, 0.1832,
0.0758

175.5248, 0.2822,
0.2369

 0.4348, 0.1472,
0.0358

215.9101, 0.2843,


 0.0000, 0.0887,


0.2422

0.0000


262.0585, 0.2862,
0.2470

 0.0000, 0.0000,
0.0000


 32.7130, 0.2581,
0.1849

 32.7130, 0.2581,
0.1849


 25.2913, 0.2439,
0.1559

 41.9683, 0.2716,
0.2154

 19.5735, 0.2294,
0.1299


 53.1803, 0.2839,
0.2460


 15.4064, 0.2155,
0.1085

 66.4569, 0.2949,
0.2754

 12.6092, 0.2027,
0.0929

 81.8991, 0.3044,
0.3031

 10.9145, 0.1917,
0.0830

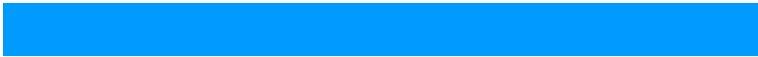
 99.6010, 0.3126,
0.3285

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.



32.7130, 0.1803, 0.1698



32.7130, 0.2581, 0.1849



32.7130, 0.3705, 0.2261

Triad

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



32.7130, 0.2581, 0.1849



32.7130, 0.5068, 0.4334



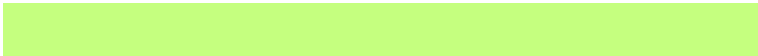
32.7130, 0.1628, 0.3451

Complementary

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



32.7130, 0.2581, 0.1849



84.9068, 0.3465, 0.4700

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.



32.7130, 0.2335, 0.4782



32.7130, 0.2581, 0.1849



32.7130, 0.4307, 0.5083

Square

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



32.7130, 0.2581, 0.1849



32.7130, 0.5319, 0.3571



32.7130, 0.3320, 0.5428



32.7130, 0.1337, 0.2387

Rectangle

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



32.7130, 0.2581, 0.1849



32.7130, 0.4481, 0.2651



32.7130, 0.3320, 0.5428



32.7130, 0.1818, 0.3904

Sweetspot

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



32.7119, 0.2581, 0.1849



74.2279, 0.3000, 0.2901



51.8355, 0.2333, 0.2581



15.1996, 0.2980, 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.



32.7119, 0.2581, 0.1849



25.4300, 0.2442, 0.1564



42.4547, 0.3128, 0.2057



17.7814, 0.3050, 0.3049



5.7891, 0.1934, 0.0839



0.6276, 0.2059, 0.0908

Inverse Universe

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



40.4549, 0.3756, 0.2580



34.2893, 0.3942, 0.2466



78.0675, 0.3084, 0.4882



18.1531, 0.3208, 0.3161



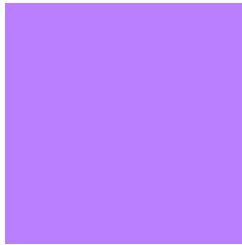
12.1175, 0.4769, 0.2401



1.2019, 0.4541, 0.2275

Previews

White Background



This preview shows how the Yxy color 32.7130, 0.2581, 0.1849 looks on a white background.

Color Contrast Check

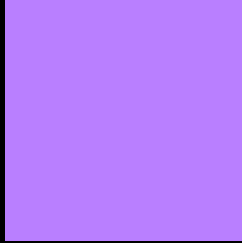
Large Text (above 18pt) WCAG AA × Fail

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 32.7130, 0.2581, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

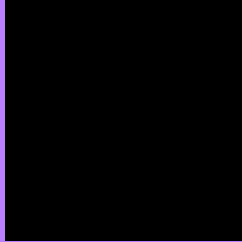
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7130, 0.2581, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 32.7130, 0.2581, 0.1849.



This preview shows how white text looks on a background with the Yxy color 32.7130, 0.2581, 0.1849.

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

32.7130, 0.2581, 0.1849

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

32.9916, 0.2113, 0.2046



Tritanopia

32.7107, 0.3206, 0.3131

Trichromacy



Original Color

32.7130, 0.2581, 0.1849



Protanomaly

32.3539, 0.2270, 0.1907



Deuteranomaly

32.0411, 0.2244, 0.1948



Tritanomaly

32.2848, 0.2954, 0.2579

Monochromacy



Original Color

32.7130, 0.2581, 0.1849



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.0873, 0.2907, 0.2649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7130, 0.2581, 0.1849 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(185, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 127, 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(185, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7130, 0.2581, 0.1849 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(185, 127, 255) }
```

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

```
.border{ border-color:rgb(185, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7130, 0.2581, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 127, 255) }
```

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

```
.background{ background-color: rgb(185,  
127, 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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