

Converting Colors

$Y_{xy}(31.7532, 0.2590, 0.1845)$

Have a look what the booklet for
Yxy(31.7532, 0.2590, 0.1845)
contains.

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Color

Yxy(31.8859, 0.2590, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	B87DFC
RGB	184, 125, 252
RGB Percent	72%, 49%, 99%
CMY	0.2786, 0.5097, 0.0117
CMYK	0.27, 0.50, 0.00, 0.01
HSL	268°, 95%, 74%
HSV	268°, 50%, 99%
XYZ	44.6644, 31.8859, 95.8991
YIQ	157.1190, -5.6030, 52.0050

Conversions

Conversions Part 2

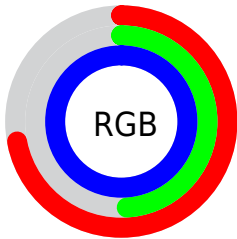
Format	Color
RYB	184, 125, 252
Decimal	12090876
CIELab	63.25, 47.14, -55.08
CIELCh	63, 72.494, 310.559
Yxy	31.8859, 0.2590, 0.1849
Android (android.graphics.Color)	4290280956 (0xFFB87DFC)
YUV	157.1190, 46.7763, 23.5746
Hunter-Lab	56.4676, 42.3706, -61.1651

Details

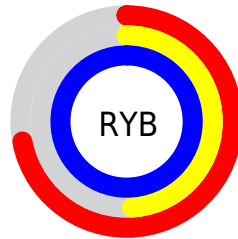
The Yxy color **31.8859, 0.2590, 0.1849** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **82.4511, 0.3456, 0.4709**, and the grayscale version is **33.5615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3374, 0.3061, 0.2523**, and **13.3497, 0.2406, 0.1526** is the 20% darker color. If you saturate the color by 10%, you get **24.7060, 0.2450, 0.1561**, and if you desaturate by 10%, it is **40.8458, 0.2722, 0.2152**.

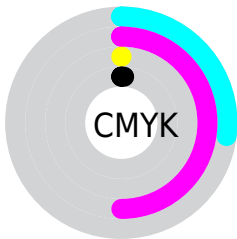
Distribution



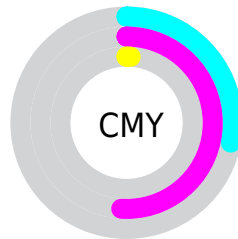
- Red (72%)
- Green (49%)
- Blue (99%)



- Red (72%)
- Yellow (49%)
- Blue (99%)



- Cyan (27%)
- Magenta (50%)
- Yellow (0%)
- Black (1%)





- Cyan (28%)
- Magenta (51%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8859, 0.2590, 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 31.8859, 0.2590, 0.1849 by changing the saturation by 10% instead.

 31.8859, 0.2590,
0.1849


 31.8859, 0.2590,
0.1849


310.5992, 0.2885,
0.2515

 21.2744, 0.2512,
0.1703


 62.6322, 0.2701,
0.2077

 13.3247, 0.2412,
0.1527


 83.5357, 0.2741,
0.2166

 7.6525, 0.2278,
0.1313


 108.6387, 0.2775,
0.2244

 3.8734, 0.2095,
0.1054

138.3255, 0.2804,
0.2312

 1.6030, 0.1835,
0.0744

172.9806, 0.2829,
0.2372

 0.3596, 0.1470,
0.0316

212.9883, 0.2850,

 0.0000, 0.0828,

0.2425

0.0000

258.7330, 0.2868,
0.2473

0.0000, 0.0000,
0.0000

31.8859, 0.2590,
0.1849

31.8859, 0.2590,
0.1849

24.7060, 0.2450,
0.1561

40.8458, 0.2722,
0.2152

19.1730, 0.2308,
0.1303

51.6980, 0.2843,
0.2456

15.1404, 0.2170,
0.1092

64.5498, 0.2951,
0.2750

12.4325, 0.2044,
0.0938

79.4991, 0.3044,
0.3026

10.8081, 0.1937,
0.0841

96.6372, 0.3124,
0.3281

99.8086, 0.3144,
0.3319

Harmonies

Analogous

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



31.8859, 0.1806, 0.1694



31.8859, 0.2590, 0.1849



31.8859, 0.3720, 0.2264

Triad

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



31.8859, 0.2590, 0.1849



31.8859, 0.5066, 0.4344



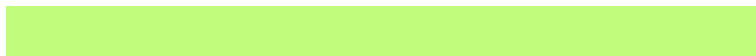
31.8859, 0.1619, 0.3437

Complementary

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



31.8859, 0.2590, 0.1849



82.4511, 0.3456, 0.4709

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.



31.8859, 0.2323, 0.4775



31.8859, 0.2590, 0.1849



31.8859, 0.4299, 0.5094

Square

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



31.8859, 0.2590, 0.1849



31.8859, 0.5326, 0.3579



31.8859, 0.3308, 0.5434



31.8859, 0.1332, 0.2375

Rectangle

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



31.8859, 0.2590, 0.1849



31.8859, 0.4497, 0.2656



31.8859, 0.3308, 0.5434



31.8859, 0.1808, 0.3890

Sweetspot

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



31.8871, 0.2590, 0.1849



74.2947, 0.3003, 0.2901



50.3590, 0.2331, 0.2579



15.2157, 0.2983, 0.2843



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.



31.8871, 0.2590, 0.1849



25.6086, 0.2455, 0.1570



41.2322, 0.3128, 0.2054



17.0378, 0.3052, 0.3050



5.7156, 0.1954, 0.0850



0.5917, 0.2085, 0.0922

Inverse Universe

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



39.2226, 0.3773, 0.2591



34.2229, 0.3962, 0.2481



75.9599, 0.3084, 0.4887



17.3807, 0.3210, 0.3164



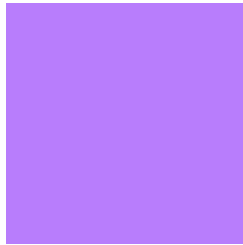
11.7224, 0.4810, 0.2424



1.1071, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 31.8859, 0.2590, 0.1849 looks on a white background.

Color Contrast Check

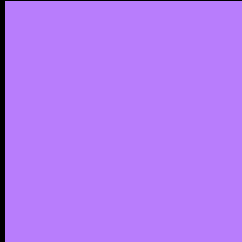
Large Text (above 18pt) WCAG AA × Fail

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 31.8859, 0.2590, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

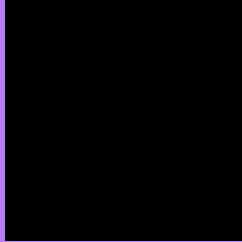
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8859, 0.2590, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 31.8859, 0.2590, 0.1849.



This preview shows how white text looks on a background with the Yxy color 31.8859, 0.2590, 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

31.8859, 0.2590, 0.1849

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.4177, 0.2117, 0.2059



Tritanopia

31.8985, 0.3217, 0.3130

Trichromacy



Original Color

31.8859, 0.2590, 0.1849



Protanomaly

31.4398, 0.2251, 0.1884



Deuteranomaly

31.1681, 0.2247, 0.1947



Tritanomaly

31.4907, 0.2962, 0.2574

Monochromacy



Original Color

31.8859, 0.2590, 0.1849



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.2721, 0.2914, 0.2644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8859, 0.2590, 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(184, 125, 252)` looks like.

```
.text, #text, p{  
    color:rgb(184, 125, 252)  
}
```

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(184, 125, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 125, 252) }
```

Border

The CSS property to change the border of an element to Yxy 31.8859, 0.2590, 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(184, 125, 252) }
```

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

```
.border{ border-color:rgb(184, 125, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 125, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 125, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 125, 252);  
box-shadow:4px 4px 4px 4px rgb(184, 125,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8859, 0.2590, 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(184, 125, 252) }
```

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

```
.background{ background-color: rgb(184,  
125, 252) }
```

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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