

Converting Colors

$Y_{xy}(31.5869, 0.2596, 0.1847)$

Have a look what the booklet for
Yxy(31.5869, 0.2596, 0.1847)
contains.

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Color

Yxy(31.5707, 0.2596, 0.1846)

Conversions

Conversions Part 1

Format	Color
Hex	B87CFB
RGB	184, 124, 251
RGB Percent	72%, 49%, 98%
CMY	0.2783, 0.5138, 0.0155
CMYK	0.27, 0.51, 0.00, 0.02
HSL	268°, 94%, 74%
HSV	268°, 51%, 98%
XYZ	44.3974, 31.5707, 95.0541
YIQ	156.4180, -5.0070, 52.2170

Conversions

Conversions Part 2

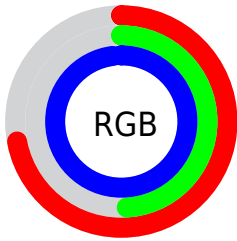
Format	Color
RYB	184, 124, 251
Decimal	12090619
CIELab	62.99, 47.49, -54.96
CIELCh	63, 72.639, 310.829
Yxy	31.5707, 0.2596, 0.1846
Android (android.graphics.Color)	4290280699 (0xFFB87CFB)
YUV	156.4180, 46.6289, 24.1894
Hunter-Lab	56.1878, 42.7149, -60.9707

Details

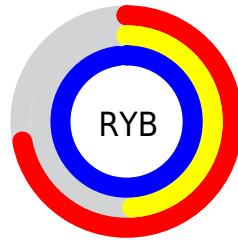
The Yxy color **31.5707, 0.2596, 0.1846** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **81.5501, 0.3450, 0.4718**, and the grayscale version is **33.2318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9380, 0.3061, 0.2513**, and **13.1722, 0.2412, 0.1522** is the 20% darker color. If you saturate the color by 10%, you get **24.5022, 0.2458, 0.1560**, and if you desaturate by 10%, it is **40.3958, 0.2726, 0.2148**.

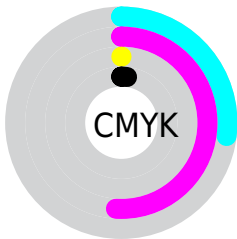
Distribution



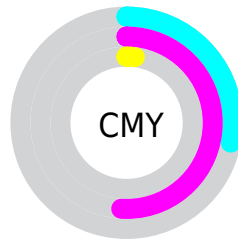
- Red (72%)
- Green (49%)
- Blue (98%)



- Red (72%)
- Yellow (49%)
- Blue (98%)



- Cyan (27%)
- Magenta (51%)
- Yellow (0%)
- Black (2%)





- Cyan (28%)
- Magenta (51%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5707, 0.2596, 0.1846 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 31.5707, 0.2596, 0.1846 by changing the saturation by 10% instead.


 31.5707, 0.2596,
0.1846


 31.5707, 0.2596,
0.1846


309.1590, 0.2888,
0.2514


 21.0338, 0.2519,
0.1699


 62.1375, 0.2706,
0.2074

 13.1487, 0.2419,
0.1522


 82.9361, 0.2747,
0.2165

 7.5310, 0.2285,
0.1308


 107.9242, 0.2780,
0.2243

 3.7964, 0.2101,
0.1048

137.4860, 0.2809,
0.2311

 1.5603, 0.1840,
0.0736

172.0060, 0.2833,
0.2371

 0.3306, 0.1474,
0.0296

211.8686, 0.2854,

 0.0000, 0.0813,

0.2424


0.0000


257.4581, 0.2872,
0.2472


 0.0000, 0.0000,
0.0000


 31.5707, 0.2596,
0.1846


 31.5707, 0.2596,
0.1846

 24.5022, 0.2458,
0.1560


 40.3958, 0.2726,
0.2148

 19.0584, 0.2318,
0.1304

 51.0889, 0.2846,
0.2451

 15.0939, 0.2182,
0.1095

 63.7562, 0.2952,
0.2744

 12.4341, 0.2057,
0.0943

 78.4947, 0.3044,
0.3020

 10.8645, 0.1953,
0.0849

 95.3949, 0.3123,
0.3275

99.7476, 0.3150,
0.3328

Harmonies

Analogous

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



31.5707, 0.1806, 0.1688



31.5707, 0.2596, 0.1846



31.5707, 0.3734, 0.2265

Triad

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



31.5707, 0.2596, 0.1846



31.5707, 0.5069, 0.4352



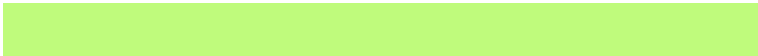
31.5707, 0.1608, 0.3425

Complementary

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



31.5707, 0.2596, 0.1846



81.5501, 0.3450, 0.4718

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.



31.5707, 0.2310, 0.4773



31.5707, 0.2596, 0.1846



31.5707, 0.4293, 0.5107

Square

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



31.5707, 0.2596, 0.1846



31.5707, 0.5338, 0.3584



31.5707, 0.3298, 0.5445



31.5707, 0.1324, 0.2363

Rectangle

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



31.5707, 0.2596, 0.1846



31.5707, 0.4513, 0.2658



31.5707, 0.3298, 0.5445



31.5707, 0.1796, 0.3881

Sweetspot

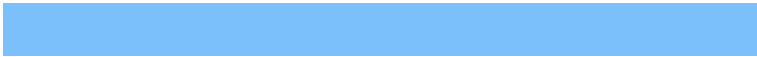
The Sweet Spot groups the original color and five complimentary colors.



31.5719, 0.2596, 0.1846



74.3497, 0.3005, 0.2901



48.8390, 0.2322, 0.2547



15.2289, 0.2985, 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.



31.5719, 0.2596, 0.1846



25.1094, 0.2452, 0.1548



41.1167, 0.3146, 0.2056



17.0452, 0.3053, 0.3050



5.7940, 0.1970, 0.0859



0.5992, 0.2100, 0.0931

Inverse Universe

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



38.6883, 0.3789, 0.2599



33.6253, 0.3999, 0.2484



75.0808, 0.3072, 0.4900



17.3782, 0.3211, 0.3166



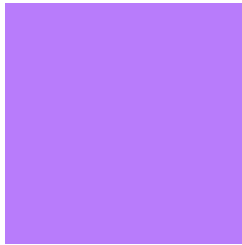
11.6913, 0.4846, 0.2443



1.1043, 0.4597, 0.2306

Previews

White Background



This preview shows how the Yxy color 31.5707, 0.2596, 0.1846 looks on a white background.

Color Contrast Check

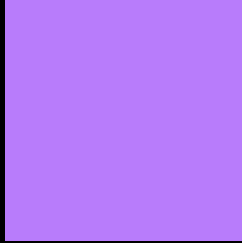
Large Text (above 18pt) WCAG AA × Fail

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 31.5707, 0.2596, 0.1846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

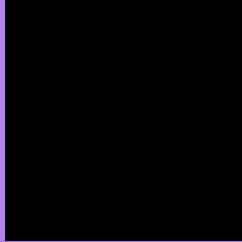
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5707, 0.2596, 0.1846

Background



This preview shows how black text looks on a background with the Yxy color 31.5707, 0.2596, 0.1846.



This preview shows how white text looks on a background with the Yxy color 31.5707, 0.2596, 0.1846.

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

31.5707, 0.2596, 0.1846

Protanopia

31.9030, 0.2110, 0.1924

Deuteranopia

31.9717, 0.2114, 0.2053



Tritanopia

31.5515, 0.3228, 0.3130

Trichromacy



Original Color

31.5707, 0.2596, 0.1846



Protanomaly

31.1462, 0.2249, 0.1872



Deuteranomaly

30.7285, 0.2244, 0.1941



Tritanomaly

31.1552, 0.2971, 0.2572

Monochromacy



Original Color

31.5707, 0.2596, 0.1846



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.8151, 0.2913, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5707, 0.2596, 0.1846 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, 124, 251)` looks like.

```
.text, #text, p{  
    color:rgb(184, 124, 251)  
}
```

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, 124, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 124, 251) }
```

Border

The CSS property to change the border of an element to Yxy 31.5707, 0.2596, 0.1846 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, 124, 251) }
```

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

```
.border{ border-color:rgb(184, 124, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 124, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 124, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 124, 251);  
box-shadow:4px 4px 4px 4px rgb(184, 124,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5707, 0.2596, 0.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 124, 251) }
```

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

```
.background{ background-color: rgb(184,  
124, 251) }
```

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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