

Converting Colors

$Y_{xy}(19.6851, 0.2815, 0.1595)$

Have a look what the booklet for
Yxy(19.6851, 0.2815, 0.1595)
contains.

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Color

Yxy(19.6851, 0.2815, 0.1595)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B846DB |
| RGB | 184, 70, 219 |
| RGB Percent | 72%, 27%, 86% |
| CMY | 0.2785, 0.7254, 0.1412 |
| CMYK | 0.16, 0.68, 0.00, 0.14 |
| HSL | 286°, 67%, 57% |
| HSV | 286°, 68%, 86% |
| XYZ | 34.7420, 19.6851, 68.9904 |
| YIQ | 121.0720, 20.1150, 70.5070 |

Conversions

Conversions Part 2

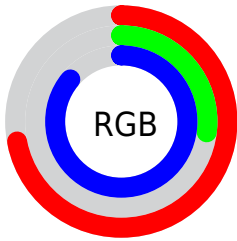
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 70, 219 |
| Decimal | 12076763 |
| CIELab | 51.48, 66.64, -55.44 |
| CIELCh | 51, 86.684, 320.244 |
| Yxy | 19.6851, 0.2815, 0.1595 |
| Android (android.graphics.Color) | 4290266843 (0xFFB846DB) |
| YUV | 121.0720, 48.2785, 55.1879 |
| Hunter-Lab | 44.3679, 62.1297, -61.1362 |

Details

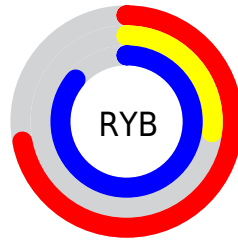
The Yxy color **19.6851, 0.2815, 0.1595** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **54.1137, 0.3197, 0.5362**, and the grayscale version is **18.9830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4534, 0.3078, 0.2038**, and **7.1564, 0.2661, 0.1239** is the 20% darker color. If you saturate the color by 10%, you get **16.8030, 0.2752, 0.1427**, and if you desaturate by 10%, it is **23.5905, 0.2876, 0.1803**.

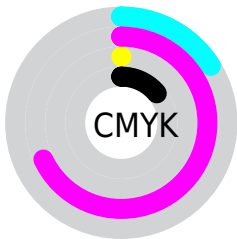
Distribution



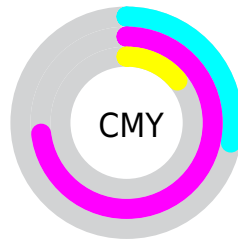
- Red (72%)
- Green (27%)
- Blue (86%)



- Red (72%)
- Yellow (27%)
- Blue (86%)



- Cyan (16%)
- Magenta (68%)
- Yellow (0%)
- Black (14%)





- Cyan (28%)
- Magenta (73%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6851, 0.2815, 0.1595 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 19.6851, 0.2815, 0.1595 by changing the saturation by 10% instead.


 19.6851, 0.2815,
0.1595


 19.6851, 0.2815,
0.1595


250.2052, 0.3026,
0.2404

 12.1664, 0.2747,
0.1414


 42.8886, 0.2904,
0.1875


 6.8571, 0.2651,
0.1197


 59.3421, 0.2934,
0.1985

 3.3729, 0.2512,
0.0938


 79.5427, 0.2957,
0.2079

 1.3294, 0.2302,
0.0635

 103.8748, 0.2977,
0.2161

 0.1638, 0.2002,
0.0151

 132.7226, 0.2992,
0.2233

 0.0000, 0.1440,
0.0000

166.4707, 0.3005,

 0.0000, 0.0000,

0.2297

0.0000

205.5035, 0.3017,
0.2353

■ 19.6851, 0.2815,
0.1595

■ 19.6851, 0.2815,
0.1595

■ 16.8030, 0.2752,
0.1427

■ 23.5905, 0.2876,
0.1803

■ 14.8269, 0.2688,
0.1305

■ 28.6146, 0.2934,
0.2042

■ 13.5937, 0.2626,
0.1227

■ 34.8441, 0.2986,
0.2301

■ 13.3888, 0.2614,
0.1214

■ 42.3568, 0.3032,
0.2568

■ 51.2236, 0.3072,
0.2834

61.5104, 0.3105,
0.3092

73.2786, 0.3132,
0.3337

86.5859, 0.3154,
0.3565

93.5097, 0.3180,
0.3659

Harmonies

Analogous

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



19.6851, 0.1675, 0.1313



19.6851, 0.2815, 0.1595



19.6851, 0.4461, 0.2168

Triad

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



19.6851, 0.2815, 0.1595



19.6851, 0.5213, 0.4731



19.6851, 0.1009, 0.2839

Complementary

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



19.6851, 0.2815, 0.1595



54.1137, 0.3197, 0.5362

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.



19.6851, 0.1625, 0.4852



19.6851, 0.2815, 0.1595



19.6851, 0.4005, 0.5841

Square

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



19.6851, 0.2815, 0.1595



19.6851, 0.5965, 0.3719



19.6851, 0.2736, 0.6283



19.6851, 0.0878, 0.1742

Rectangle

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



19.6851, 0.2815, 0.1595



19.6851, 0.5458, 0.2655



19.6851, 0.2736, 0.6283



19.6851, 0.1150, 0.3428

Sweetspot

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



19.6859, 0.2815, 0.1595



69.4629, 0.3064, 0.2778



16.9873, 0.1929, 0.1591



14.0915, 0.3053, 0.2703



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.



19.6859, 0.2815, 0.1595



22.2677, 0.2722, 0.1364



22.8104, 0.3652, 0.2091



13.1126, 0.3101, 0.3057



7.9906, 0.2623, 0.1219



0.5558, 0.2723, 0.1274

Inverse Universe

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



20.4635, 0.4854, 0.2925



24.0332, 0.5436, 0.2950



53.0360, 0.2875, 0.4995



13.1014, 0.3255, 0.3235



9.0883, 0.5965, 0.3060



0.6022, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 19.6851, 0.2815, 0.1595 looks on a white background.

Color Contrast Check

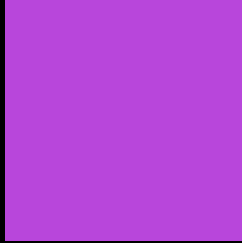
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6851, 0.2815, 0.1595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

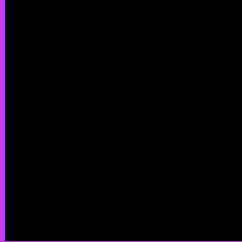
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6851, 0.2815, 0.1595

Background



This preview shows how black text looks on a background with the Yxy color 19.6851, 0.2815, 0.1595.



This preview shows how white text looks on a background with the Yxy color 19.6851, 0.2815, 0.1595.

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

19.6851, 0.2815, 0.1595

Protanopia

20.2219, 0.1737, 0.1454

Deuteranopia

19.9794, 0.1985, 0.1928



Tritanopia

19.5055, 0.3937, 0.3169

Trichromacy



Original Color

19.6851, 0.2815, 0.1595



Protanomaly

16.7919, 0.1831, 0.1354



Deuteranomaly

17.7080, 0.2157, 0.1676



Tritanomaly

18.8873, 0.3478, 0.2445

Monochromacy



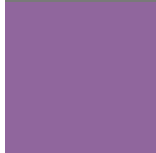
Original Color

19.6851, 0.2815, 0.1595



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.8664, 0.3004, 0.2402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6851, 0.2815, 0.1595 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, 70, 219)` looks like.

```
.text, #text, p{  
    color:rgb(184, 70, 219)  
}
```

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, 70, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 70, 219) }
```

Border

The CSS property to change the border of an element to Yxy 19.6851, 0.2815, 0.1595 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, 70, 219) }
```

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

```
.border{ border-color:rgb(184, 70, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 70, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 70, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 70, 219);  
box-shadow:4px 4px 4px 4px rgb(184, 70,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6851, 0.2815, 0.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 70, 219) }
```

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

```
.background{ background-color: rgb(184, 70,  
219) }
```

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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