

Converting Colors

$Y_{xy}(18.4003, 0.2799, 0.1521)$

Have a look what the booklet for
Yxy(18.4003, 0.2799, 0.1521)
contains.

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Color

Yxy(18.4135, 0.2801, 0.1520)

Conversions

Conversions Part 1

Format	Color
Hex	B73CDB
RGB	183, 60, 219
RGB Percent	72%, 24%, 86%
CMY	0.2824, 0.7647, 0.1411
CMYK	0.16, 0.73, 0.00, 0.14
HSL	286°, 69%, 55%
HSV	286°, 73%, 86%
XYZ	33.9317, 18.4135, 68.7962
YIQ	114.9030, 22.2690, 75.5250

Conversions

Conversions Part 2

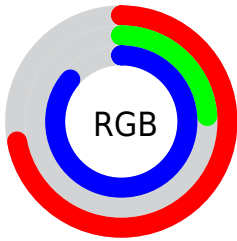
Format	Color
RYB	183, 60, 219
Decimal	12008667
CIELab	49.99, 70.24, -57.84
CIElCh	50, 90.989, 320.532
Yxy	18.4135, 0.2801, 0.1520
Android (android.graphics.Color)	4290198747 (0xFFB73CDB)
YUV	114.9030, 51.3198, 59.7211
Hunter-Lab	42.9110, 66.0542, -65.0180

Details

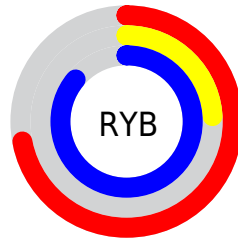
The Yxy color **18.4135, 0.2801, 0.1520** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **53.4870, 0.3179, 0.5490**, and the grayscale version is **16.9507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0541, 0.3071, 0.1961**, and **7.0043, 0.2631, 0.1223** is the 20% darker color. If you saturate the color by 10%, you get **15.9773, 0.2740, 0.1374**, and if you desaturate by 10%, it is **21.8215, 0.2861, 0.1709**.

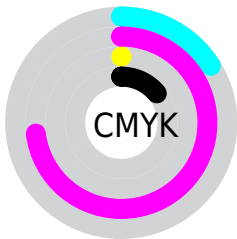
Distribution



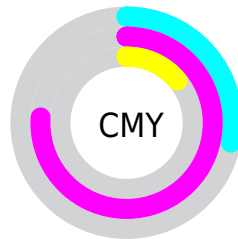
- Red (72%)
- Green (24%)
- Blue (86%)



- Red (72%)
- Yellow (24%)
- Blue (86%)



- Cyan (16%)
- Magenta (73%)
- Yellow (0%)
- Black (14%)





- Cyan (28%)
- Magenta (76%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4135, 0.2801, 0.1520 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 18.4135, 0.2801, 0.1520 by changing the saturation by 10% instead.


 18.4135, 0.2801,
0.1520


 18.4135, 0.2801,
0.1520


243.1915, 0.3025,
0.2362


 11.2473, 0.2728,
0.1334


 40.7407, 0.2896,
0.1810


 6.2334, 0.2626,
0.1112


 56.6704, 0.2927,
0.1924


 2.9875, 0.2477,
0.0850


 76.2901, 0.2952,
0.2023

 1.1252, 0.2252,
0.0550

 99.9841, 0.2973,
0.2108

 0.0000, 0.1947,
0.0000

 128.1368, 0.2989,
0.2184

 0.0000, 0.1331,
0.0000

161.1327, 0.3003,

 0.0000, 0.0000,

0.2250

0.0000

199.3562, 0.3015,
0.2309

■ 18.4135, 0.2801,
0.1520

■ 18.4135, 0.2801,
0.1520

■ 15.9773, 0.2740,
0.1374

■ 21.8215, 0.2861,
0.1709

■ 14.3848, 0.2679,
0.1275

■ 26.3037, 0.2918,
0.1934

■ 13.5956, 0.2635,
0.1225

■ 31.9517, 0.2971,
0.2184

■ 38.8468, 0.3017,
0.2447

■ 47.0629, 0.3058,
0.2714

■ 56.6678, 0.3092,
0.2976

■ 67.7250, 0.3121,
0.3227

■ 80.2938, 0.3144,
0.3463

■ 93.0720, 0.3163,
0.3660

Harmonies

Analogous

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



18.4135, 0.1608, 0.1230



18.4135, 0.2801, 0.1520



18.4135, 0.4564, 0.2109

Triad

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



18.4135, 0.2801, 0.1520



18.4135, 0.5257, 0.4743



18.4135, 0.0904, 0.2768

Complementary

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



18.4135, 0.2801, 0.1520



53.4870, 0.3179, 0.5490

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.



18.4135, 0.1510, 0.4955



18.4135, 0.2801, 0.1520



18.4135, 0.3985, 0.5992

Square

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



18.4135, 0.2801, 0.1520



18.4135, 0.6095, 0.3680



18.4135, 0.2644, 0.6513



18.4135, 0.0790, 0.1643

Rectangle

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



18.4135, 0.2801, 0.1520



18.4135, 0.5627, 0.2607



18.4135, 0.2644, 0.6513



18.4135, 0.1039, 0.3395

Sweetspot

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



18.4143, 0.2801, 0.1520



66.9499, 0.3060, 0.2725



14.6448, 0.1849, 0.1430



13.6056, 0.3049, 0.2652



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.



18.4143, 0.2801, 0.1520



21.2592, 0.2708, 0.1317



21.4537, 0.3736, 0.2069



13.1184, 0.3102, 0.3057



8.1110, 0.2644, 0.1230



0.5627, 0.2741, 0.1283

Inverse Universe

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



19.1396, 0.5060, 0.2939



22.9868, 0.5649, 0.2994



52.6008, 0.2862, 0.5083



13.0996, 0.3256, 0.3237



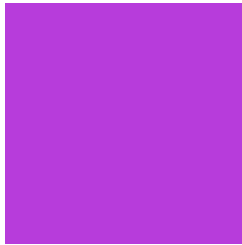
9.0782, 0.5991, 0.3074



0.6013, 0.5528, 0.2819

Previews

White Background



This preview shows how the Yxy color 18.4135, 0.2801, 0.1520 looks on a white background.

Color Contrast Check

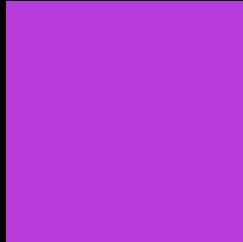
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4135, 0.2801, 0.1520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

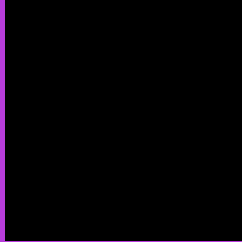
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4135, 0.2801, 0.1520

Background



This preview shows how black text looks on a background with the Yxy color 18.4135, 0.2801, 0.1520.

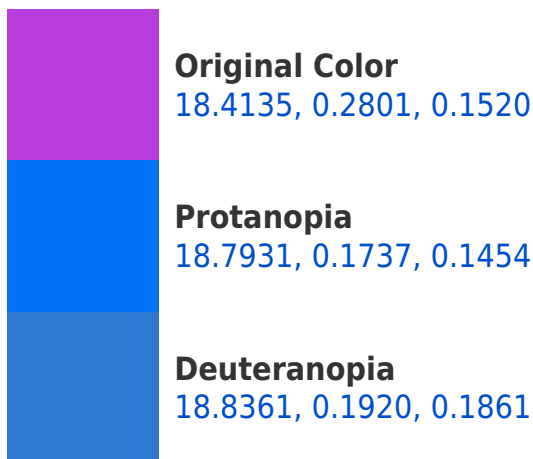


This preview shows how white text looks on a background with the Yxy color 18.4135, 0.2801, 0.1520.

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





Tritanopia

18.2007, 0.4012, 0.3168

Trichromacy



Original Color

18.4135, 0.2801, 0.1520



Protanomaly

15.3759, 0.1826, 0.1312



Deuteranomaly

16.1607, 0.2071, 0.1580



Tritanomaly

17.5194, 0.3519, 0.2387

Monochromacy



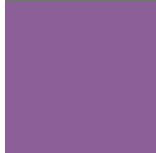
Original Color

18.4135, 0.2801, 0.1520



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.0598, 0.3000, 0.2332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4135, 0.2801, 0.1520 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(183, 60, 219)` looks like.

```
.text, #text, p{  
    color:rgb(183, 60, 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(183, 60, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 60, 219) }
```

Border

The CSS property to change the border of an element to Yxy 18.4135, 0.2801, 0.1520 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(183, 60, 219) }
```

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

```
.border{ border-color:rgb(183, 60, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 60, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 60, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 60, 219);  
box-shadow:4px 4px 4px 4px rgb(183, 60,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4135, 0.2801, 0.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 60, 219) }
```

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

```
.background{ background-color: rgb(183, 60,  
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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