

Converting Colors

$Y_{xy}(18.2047, 0.3012, 0.1731)$

Have a look what the booklet for
Yxy(18.2047, 0.3012, 0.1731)
contains.

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Color

Yxy(18.2787, 0.3018, 0.1735)

Conversions

Conversions Part 1

Format	Color
Hex	B744C6
RGB	183, 68, 198
RGB Percent	72%, 27%, 78%
CMY	0.2822, 0.7335, 0.2235
CMYK	0.08, 0.66, 0.00, 0.22
HSL	293°, 53%, 52%
HSV	293°, 66%, 78%
XYZ	31.7955, 18.2787, 55.2786
YIQ	117.2050, 26.8100, 64.8100

Conversions

Conversions Part 2

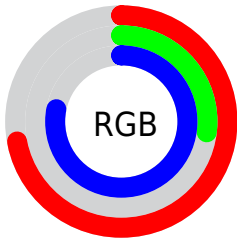
Format	Color
R_{YB}	183, 68, 198
Decimal	12010694
CIE _{Lab}	49.83, 63.33, -46.05
CIE _{LCh}	50, 78.302, 323.981
Yxy	18.2787, 0.3018, 0.1735
Android (android.graphics.Color)	4290200774 (0xFFB744C6)
YUV	117.2050, 39.8319, 57.7022
Hunter-Lab	42.7536, 57.9300, -46.7319

Details

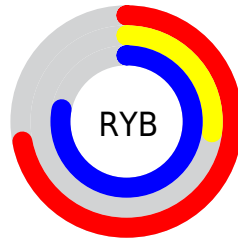
The Yxy color **18.2787, 0.3018, 0.1735** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **42.6410, 0.3106, 0.5342**, and the grayscale version is **17.7210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5125, 0.3070, 0.2010**, and **6.4188, 0.2917, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **15.9997, 0.2991, 0.1581**, and if you desaturate by 10%, it is **21.3721, 0.3043, 0.1927**.

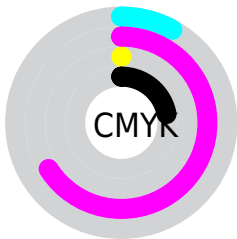
Distribution



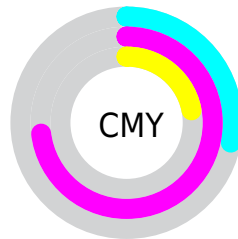
- Red (72%)
- Green (27%)
- Blue (78%)



- Red (72%)
- Yellow (27%)
- Blue (78%)



- Cyan (8%)
- Magenta (66%)
- Yellow (0%)
- Black (22%)




- Cyan (28%)
- Magenta (73%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2787, 0.3018, 0.1735 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 18.2787, 0.3018, 0.1735 by changing the saturation by 10% instead.


 18.2787, 0.3018,
0.1735


 18.2787, 0.3018,
0.1735

242.4373, 0.3117,
0.2503


 11.1503, 0.2978,
0.1554


 40.5117, 0.3065,
0.2008

 6.1680, 0.2916,
0.1332


 56.3850, 0.3080,
0.2112

 2.9475, 0.2819,
0.1058


 75.9420, 0.3090,
0.2201

 1.1044, 0.2653,
0.0723

 99.5672, 0.3099,
0.2278

 0.0000, 0.2439,
0.0000

 127.6449, 0.3105,
0.2346

 0.0000, 0.1654,
0.0000

160.5596, 0.3110,

 0.0000, 0.0000,

0.2404

0.0000

198.6956, 0.3114,
0.2456

■ 18.2787, 0.3018,
0.1735

■ 18.2787, 0.3018,
0.1735

■ 15.9997, 0.2991,
0.1581

■ 21.3721, 0.3043,
0.1927

■ 14.4476, 0.2962,
0.1471

■ 25.3510, 0.3066,
0.2150

■ 13.5174, 0.2932,
0.1404

■ 30.2815, 0.3085,
0.2393

■ 13.2168, 0.2919,
0.1382

■ 36.2225, 0.3101,
0.2647

■ 43.2283, 0.3113,
0.2903

■ 51.3494, 0.3123,
0.3153

■ 60.6329, 0.3130,
0.3392

■ 71.1232, 0.3134,
0.3616

■ 82.8624, 0.3137,
0.3824

Harmonies

Analogous

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



18.2787, 0.1861, 0.1423



18.2787, 0.3018, 0.1735



18.2787, 0.4565, 0.2320

Triad

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



18.2787, 0.3018, 0.1735



18.2787, 0.5011, 0.4840



18.2787, 0.1079, 0.2715

Complementary

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



18.2787, 0.3018, 0.1735



42.6410, 0.3106, 0.5342

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.



18.2787, 0.1626, 0.4480



18.2787, 0.3018, 0.1735



18.2787, 0.3867, 0.5813

Square

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



18.2787, 0.3018, 0.1735



18.2787, 0.5770, 0.3866



18.2787, 0.2661, 0.5973



18.2787, 0.0984, 0.1762

Rectangle

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



18.2787, 0.3018, 0.1735



18.2787, 0.5430, 0.2804



18.2787, 0.2661, 0.5973



18.2787, 0.1203, 0.3224

Sweetspot

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



18.2795, 0.3018, 0.1735



70.5698, 0.3108, 0.2785



11.5123, 0.1912, 0.1404



14.3599, 0.3104, 0.2712



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.



18.2795, 0.3018, 0.1735



26.9429, 0.2978, 0.1526



18.2789, 0.3888, 0.2314



10.7523, 0.3120, 0.3061



8.6191, 0.2923, 0.1384



0.4261, 0.2987, 0.1419

Inverse Universe

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



16.7593, 0.5016, 0.3123



24.3886, 0.5651, 0.3142



42.9197, 0.2785, 0.4627



10.6565, 0.3272, 0.3264



7.8539, 0.6246, 0.3215



0.3787, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 18.2787, 0.3018, 0.1735 looks on a white background.

Color Contrast Check

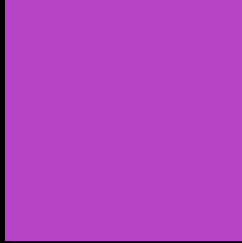
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.2787, 0.3018, 0.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

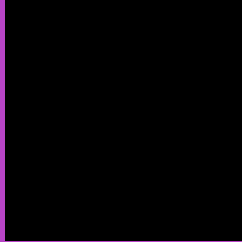
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2787, 0.3018, 0.1735

Background



This preview shows how black text looks on a background with the Yxy color 18.2787, 0.3018, 0.1735.

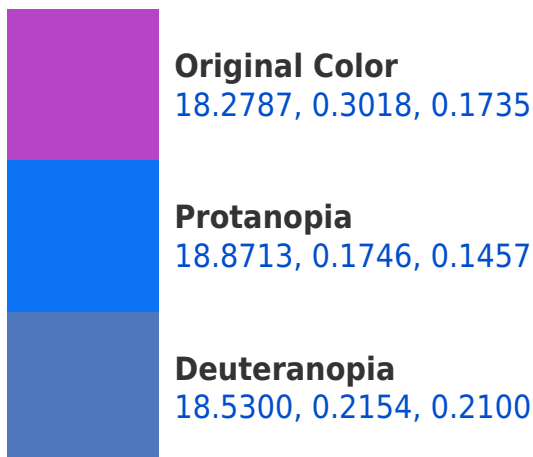


This preview shows how white text looks on a background with the Yxy color 18.2787, 0.3018, 0.1735.

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

18.2068, 0.4124, 0.3186

Trichromacy



Original Color

18.2787, 0.3018, 0.1735



Protanomaly

15.7373, 0.1890, 0.1413



Deuteranomaly

16.7020, 0.2377, 0.1854



Tritanomaly

17.6045, 0.3694, 0.2541

Monochromacy



Original Color

18.2787, 0.3018, 0.1735



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6617, 0.3097, 0.2501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2787, 0.3018, 0.1735 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, 68, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 68, 198)  
}
```

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, 68, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 68, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.2787, 0.3018, 0.1735 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, 68, 198) }
```

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

```
.border{ border-color:rgb(183, 68, 198) }
```

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

Here you see how a box with a 4 pixel rgb(183, 68, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 68, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 68, 198);  
box-shadow:4px 4px 4px 4px rgb(183, 68,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2787, 0.3018, 0.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 68, 198) }
```

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

```
.background{ background-color: rgb(183, 68,  
198) }
```

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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