

Converting Colors

$Y_{xy}(19.2909, 0.2828, 0.1763)$

Have a look what the booklet for
Yxy(19.2909, 0.2828, 0.1763)
contains.

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Color

Yxy(19.3168, 0.2830, 0.1763)

Conversions

Conversions Part 1

Format	Color
Hex	AC53CC
RGB	172, 83, 204
RGB Percent	67%, 33%, 80%
CMY	0.3255, 0.6745, 0.1999
CMYK	0.16, 0.59, 0.00, 0.20
HSL	284°, 54%, 56%
HSV	284°, 59%, 80%
XYZ	31.0077, 19.3168, 59.2433
YIQ	123.4050, 14.2030, 56.4990

Conversions

Conversions Part 2

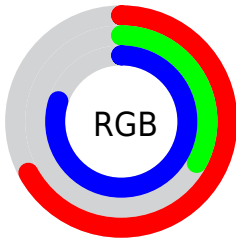
Format	Color
RYB	172, 83, 204
Decimal	11293644
CIELab	51.06, 55.17, -47.66
CIElCh	51, 72.906, 319.175
Yxy	19.3168, 0.2830, 0.1763
Android (android.graphics.Color)	4289483724 (0xFFAC53CC)
YUV	123.4050, 39.7333, 42.6178
Hunter-Lab	43.9509, 49.0191, -49.1539

Details

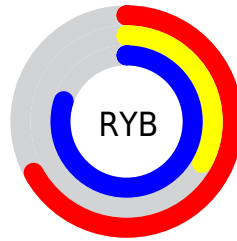
The Yxy color **19.3168, 0.2830, 0.1763** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **47.4749, 0.3235, 0.5079**, and the grayscale version is **19.8108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9343, 0.2965, 0.2085**, and **6.6668, 0.2672, 0.1368** is the 20% darker color. If you saturate the color by 10%, you get **16.0428, 0.2760, 0.1553**, and if you desaturate by 10%, it is **23.5356, 0.2896, 0.2004**.

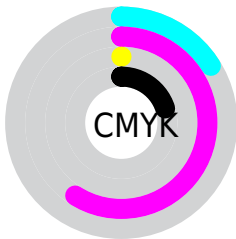
Distribution



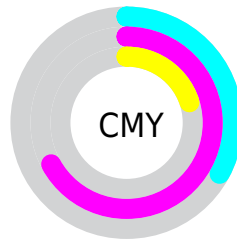
- Red (67%)
- Green (33%)
- Blue (80%)



- Red (67%)
- Yellow (33%)
- Blue (80%)



- Cyan (16%)
- Magenta (59%)
- Yellow (0%)
- Black (20%)





- Cyan (33%)
- Magenta (67%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3168, 0.2830, 0.1763 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 19.3168, 0.2830, 0.1763 by changing the saturation by 10% instead.


 19.3168, 0.2830,
0.1763


 19.3168, 0.2830,
0.1763


248.1921, 0.3026,
0.2517


 11.8994, 0.2766,
0.1586


 42.2687, 0.2913,
0.2031


 6.6752, 0.2675,
0.1368


 58.5721, 0.2940,
0.2133


 3.2598, 0.2541,
0.1098


 78.6062, 0.2962,
0.2221

 1.2688, 0.2331,
0.0767

 102.7555, 0.2980,
0.2297

 0.1169, 0.2034,
0.0147

 131.4043, 0.2995,
0.2362

 0.0000, 0.1222,
0.0000

164.9371, 0.3007,

 0.0000, 0.0000,

0.2420

0.0000

203.7382, 0.3017,
0.2471

■ 19.3168, 0.2830,
0.1763

■ 19.3168, 0.2830,
0.1763

■ 16.0428, 0.2760,
0.1553

■ 23.5356, 0.2896,
0.2004

■ 13.6278, 0.2688,
0.1384

■ 28.7704, 0.2957,
0.2264

■ 11.9740, 0.2617,
0.1261

■ 35.0879, 0.3010,
0.2533

■ 10.9123, 0.2548,
0.1180

■ 42.5486, 0.3057,
0.2801

■ 10.8475, 0.2543,
0.1175

■ 51.2084, 0.3096,
0.3060

■ 61.1195, 0.3129,
0.3306

■ 72.3311, 0.3156,
0.3535

■ 84.8894, 0.3177,
0.3746

■ 91.1918, 0.3205,
0.3827

Harmonies

Analogous

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



19.3168, 0.1820, 0.1508



19.3168, 0.2830, 0.1763



19.3168, 0.4225, 0.2288

Triad

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



19.3168, 0.2830, 0.1763



19.3168, 0.5074, 0.4647



19.3168, 0.1260, 0.2998

Complementary

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



19.3168, 0.2830, 0.1763



47.4749, 0.3235, 0.5079

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.



19.3168, 0.1881, 0.4650



19.3168, 0.2830, 0.1763



19.3168, 0.4062, 0.5539

Square

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



19.3168, 0.2830, 0.1763



19.3168, 0.5652, 0.3762



19.3168, 0.2920, 0.5799



19.3168, 0.1093, 0.1975

Rectangle

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



19.3168, 0.2830, 0.1763



19.3168, 0.5082, 0.2744



19.3168, 0.2920, 0.5799



19.3168, 0.1411, 0.3504

Sweetspot

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



19.3176, 0.2830, 0.1763



71.8978, 0.3062, 0.2830



18.5246, 0.2088, 0.1875



14.5530, 0.3049, 0.2752



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.



19.3176, 0.2830, 0.1763



25.3865, 0.2741, 0.1505



22.1552, 0.3535, 0.2186



11.2486, 0.3096, 0.3059



6.8722, 0.2553, 0.1180



0.3902, 0.2687, 0.1254

Inverse Universe

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



20.2675, 0.4451, 0.2901



27.5530, 0.4918, 0.2872



46.1948, 0.2898, 0.4773



11.2616, 0.3249, 0.3229



8.2609, 0.5863, 0.3004



0.4390, 0.5291, 0.2688

Previews

White Background



This preview shows how the Yxy color 19.3168, 0.2830, 0.1763 looks on a white background.

Color Contrast Check

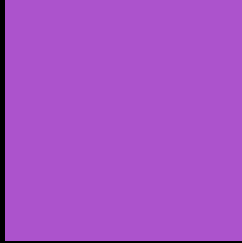
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3168, 0.2830, 0.1763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

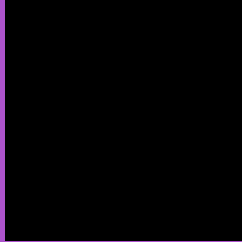
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3168, 0.2830, 0.1763

Background



This preview shows how black text looks on a background with the Yxy color 19.3168, 0.2830, 0.1763.

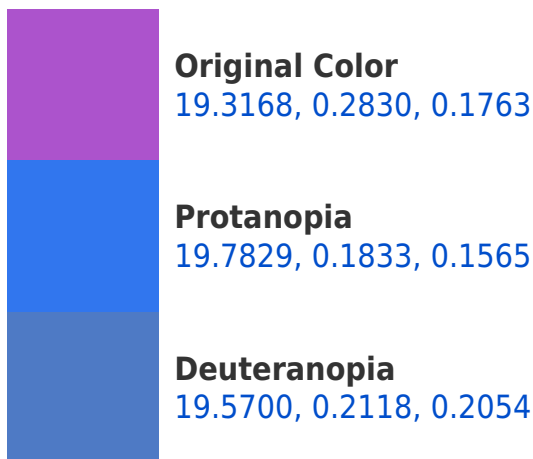


This preview shows how white text looks on a background with the Yxy color 19.3168, 0.2830, 0.1763.

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

19.3570, 0.3726, 0.3162

Trichromacy



Original Color

19.3168, 0.2830, 0.1763

Protanomaly

17.9738, 0.2025, 0.1555

Deuteranomaly

18.3400, 0.2297, 0.1875

Tritanomaly

18.9543, 0.3375, 0.2547

Monochromacy



Original Color

19.3168, 0.2830, 0.1763

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.6548, 0.3023, 0.2562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3168, 0.2830, 0.1763 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(172, 83, 204)` looks like.

```
.text, #text, p{  
    color:rgb(172, 83, 204)  
}
```

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(172, 83, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 83, 204) }
```

Border

The CSS property to change the border of an element to Yxy 19.3168, 0.2830, 0.1763 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(172, 83, 204) }
```

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

```
.border{ border-color:rgb(172, 83, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 83, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 83, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 83, 204);  
box-shadow:4px 4px 4px 4px rgb(172, 83,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3168, 0.2830, 0.1763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 83, 204) }
```

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

```
.background{ background-color: rgb(172, 83,  
204) }
```

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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