

Converting Colors

$Y_{xy}(18.1583, 0.3165, 0.2100)$

Have a look what the booklet for
Yxy(18.1583, 0.3165, 0.2100)
contains.

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Color

Yxy(18.1802, 0.3157, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	AA56AC
RGB	170, 86, 172
RGB Percent	67%, 34%, 67%
CMY	0.3335, 0.6626, 0.3256
CMYK	0.01, 0.50, 0.00, 0.33
HSL	299°, 34%, 51%
HSV	299°, 50%, 67%
XYZ	27.3439, 18.1802, 41.0895
YIQ	120.9200, 22.4580, 44.5540

Conversions

Conversions Part 2

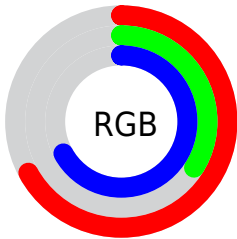
Format	Color
R _Y B	170, 86, 172
Decimal	11163308
CIE _{Lab}	49.71, 46.82, -31.23
CIE _{LCh}	50, 56.282, 326.299
Yxy	18.1802, 0.3157, 0.2099
Android (android.graphics.Color)	4289353388 (0xFFAA56AC)
YUV	120.9200, 25.1824, 43.0432
Hunter-Lab	42.6382, 39.8552, -27.2896

Details

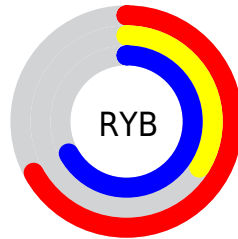
The Yxy color **18.1802, 0.3157, 0.2099** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.2492, 0.3069, 0.4837**, and the grayscale version is **19.0075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3976, 0.3163, 0.2327**, and **6.0645, 0.3122, 0.1730** is the 20% darker color. If you saturate the color by 10%, you get **15.7109, 0.3159, 0.1906**, and if you desaturate by 10%, it is **21.3121, 0.3153, 0.2319**.

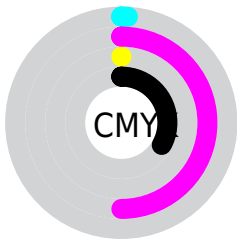
Distribution



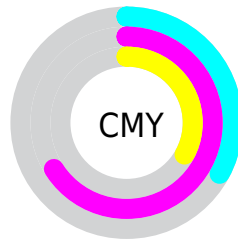
- Red (67%)
- Green (34%)
- Blue (67%)



- Red (67%)
- Yellow (34%)
- Blue (67%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1802, 0.3157, 0.2099 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 18.1802, 0.3157, 0.2099 by changing the saturation by 10% instead.


 18.1802, 0.3157,
0.2099


 18.1802, 0.3157,
0.2099


241.8848, 0.3163,
0.2719


 11.0794, 0.3146,
0.1940


 40.3441, 0.3166,
0.2328


 6.1203, 0.3125,
0.1734


 56.1761, 0.3167,
0.2413


 2.9184, 0.3084,
0.1463


 75.6873, 0.3167,
0.2485

 1.0893, 0.2997,
0.1096

 99.2620, 0.3167,
0.2546

 0.0000, 0.2974,
0.0000

 127.2848, 0.3166,
0.2598

 0.0000, 0.0605,
0.0000

160.1399, 0.3165,

 0.0000, 0.0000,

0.2643

0.0000

198.2117, 0.3164,
0.2683

■ 18.1802, 0.3157,
0.2099

■ 18.1802, 0.3157,
0.2099

■ 15.7109, 0.3159,
0.1906

■ 21.3121, 0.3153,
0.2319

■ 13.8535, 0.3160,
0.1747

■ 25.1476, 0.3148,
0.2557

■ 12.5543, 0.3158,
0.1629


■ 29.7271, 0.3141,
0.2803


■ 11.7486, 0.3155,
0.1553

■ 35.0875, 0.3134,
0.3050

■ 11.2966, 0.3151,
0.1510


■ 41.2630, 0.3127,
0.3291

 11.2955, 0.3151,
0.1509

 48.2859, 0.3120,
0.3520

 56.1868, 0.3112,
0.3736

 64.9946, 0.3105,
0.3936

 74.7370, 0.3098,
0.4119

Harmonies

Analogous

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



18.1802, 0.2221, 0.1814



18.1802, 0.3157, 0.2099



18.1802, 0.4267, 0.2609

Triad

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



18.1802, 0.3157, 0.2099



18.1802, 0.4642, 0.4701



18.1802, 0.1505, 0.2853

Complementary

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



18.1802, 0.3157, 0.2099



32.2492, 0.3069, 0.4837

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.



18.1802, 0.1977, 0.4037



18.1802, 0.3157, 0.2099



18.1802, 0.3781, 0.5245

Square

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



18.1802, 0.3157, 0.2099



18.1802, 0.5160, 0.3967



18.1802, 0.2811, 0.5085



18.1802, 0.1412, 0.2108

Rectangle

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



18.1802, 0.3157, 0.2099



18.1802, 0.4865, 0.3032



18.1802, 0.2811, 0.5085



18.1802, 0.1618, 0.3211

Sweetspot

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



18.1810, 0.3157, 0.2099



58.3365, 0.3138, 0.2920



12.0865, 0.2200, 0.1790



12.2560, 0.3140, 0.2869



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1810, 0.3157, 0.2099



28.0836, 0.3159, 0.1887



17.0929, 0.3747, 0.2614



8.1383, 0.3134, 0.3066



8.4110, 0.3151, 0.1510



0.2369, 0.3170, 0.1520

Inverse Universe

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



16.1359, 0.4471, 0.3264



23.9723, 0.4963, 0.3262



32.9894, 0.2784, 0.4107



8.0183, 0.3283, 0.3285



6.5346, 0.6369, 0.3282



0.1828, 0.6231, 0.3206

Previews

White Background



This preview shows how the Yxy color 18.1802, 0.3157, 0.2099 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 18.1802, 0.3157, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

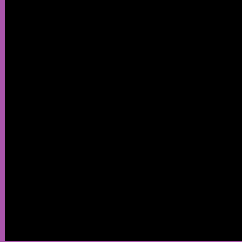
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1802, 0.3157, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 18.1802, 0.3157, 0.2099.

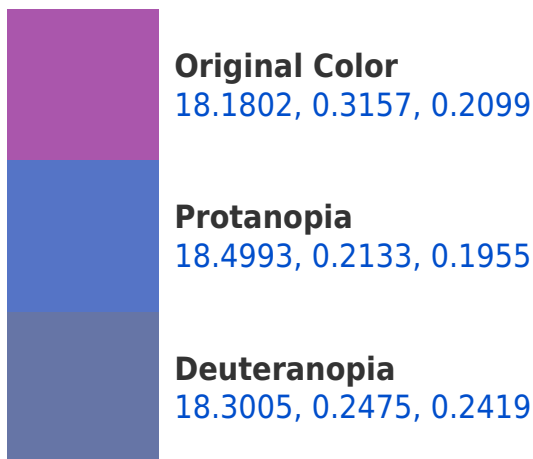


This preview shows how white text looks on a background with the Yxy color 18.1802, 0.3157, 0.2099.

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

18.0929, 0.3902, 0.3164

Trichromacy



Original Color

18.1802, 0.3157, 0.2099



Protanomaly

17.4903, 0.2400, 0.1958



Deuteranomaly

17.6472, 0.2690, 0.2263



Tritanomaly

18.0310, 0.3619, 0.2734

Monochromacy



Original Color

18.1802, 0.3157, 0.2099



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.1075, 0.3140, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1802, 0.3157, 0.2099 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(170, 86, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 86, 172)  
}
```

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(170, 86, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 172) }
```

Border

The CSS property to change the border of an element to Yxy 18.1802, 0.3157, 0.2099 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(170, 86, 172) }
```

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

```
.border{ border-color:rgb(170, 86, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 86, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1802, 0.3157, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 172) }
```

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

```
.background{ background-color: rgb(170, 86,  
172) }
```

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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