

Converting Colors

$Y_{xy}(18.2301, 0.2785, 0.1829)$

Have a look what the booklet for
Yxy(18.2301, 0.2785, 0.1829)
contains.

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Color

Yxy(18.2301, 0.2785, 0.1829)

Conversions

Conversions Part 1

Format	Color
Hex	A057C3
RGB	160, 87, 195
RGB Percent	63%, 34%, 76%
CMY	0.3725, 0.6589, 0.2353
CMYK	0.18, 0.55, 0.00, 0.24
HSL	281°, 47%, 55%
HSV	281°, 55%, 76%
XYZ	27.7588, 18.2301, 53.6836
YIQ	121.1390, 8.8400, 49.0640

Conversions

Conversions Part 2

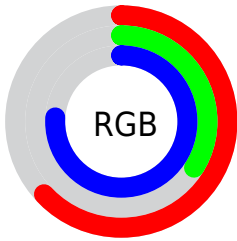
Format	Color
R _Y B	160, 87, 195
Decimal	10508227
CIE Lab	49.77, 48.23, -44.60
CIE LCh	50, 65.686, 317.239
Yxy	18.2301, 0.2785, 0.1829
Android (android.graphics.Color)	4288698307 (0xFFA057C3)
YUV	121.1390, 36.4135, 34.0811
Hunter-Lab	42.6967, 41.3305, -44.6590

Details

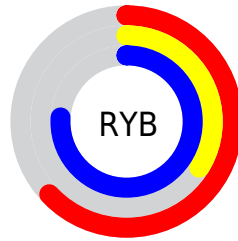
The Yxy color **18.2301, 0.2785, 0.1829** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **43.8518, 0.3285, 0.4925**, and the grayscale version is **19.0458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5362, 0.2878, 0.2099**, and **6.1284, 0.2603, 0.1420** is the 20% darker color. If you saturate the color by 10%, you get **14.8545, 0.2700, 0.1594**, and if you desaturate by 10%, it is **22.4929, 0.2865, 0.2089**.

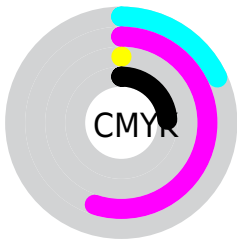
Distribution



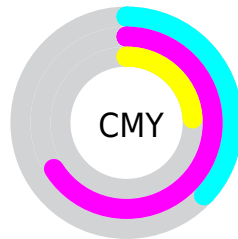
- Red (63%)
- Green (34%)
- Blue (76%)



- Red (63%)
- Yellow (34%)
- Blue (76%)



- Cyan (18%)
- Magenta (55%)
- Yellow (0%)
- Black (24%)





- Cyan (37%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2301, 0.2785, 0.1829 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 18.2301, 0.2785, 0.1829 by changing the saturation by 10% instead.


 18.2301, 0.2785,
0.1829


 18.2301, 0.2785,
0.1829


242.1648, 0.3003,
0.2566


 11.1153, 0.2714,
0.1650


 40.4290, 0.2876,
0.2095


 6.1444, 0.2614,
0.1427


 56.2819, 0.2907,
0.2196

 2.9331, 0.2466,
0.1147


 75.8164, 0.2931,
0.2281

 1.0969, 0.2232,
0.0796

 99.4167, 0.2951,
0.2354

 0.0000, 0.1916,
0.0000

 127.4673, 0.2968,
0.2418

 0.0000, 0.0438,
0.0000

160.3526, 0.2982,

 0.0000, 0.0000,

0.2474

0.0000

198.4570, 0.2993,
0.2523

■ 18.2301, 0.2785,
0.1829

■ 18.2301, 0.2785,
0.1829

■ 14.8545, 0.2700,
0.1594

■ 22.4929, 0.2865,
0.2089

■ 12.2929, 0.2612,
0.1395

■ 27.7036, 0.2938,
0.2361

■ 10.4639, 0.2525,
0.1242

■ 33.9203, 0.3002,
0.2636

■ 9.2669, 0.2441,
0.1137

■ 41.1954, 0.3058,
0.2904

■ 8.8341, 0.2403,
0.1098

■ 49.5778, 0.3105,
0.3159

■ 59.1134, 0.3144,
0.3398

■ 69.8452, 0.3177,
0.3618

■ 81.8143, 0.3203,
0.3819

■ 90.1888, 0.3232,
0.3930

Harmonies

Analogous

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



18.2301, 0.1859, 0.1603



18.2301, 0.2785, 0.1829



18.2301, 0.4060, 0.2318

Triad

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



18.2301, 0.2785, 0.1829



18.2301, 0.5033, 0.4559



18.2301, 0.1403, 0.3125

Complementary

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



18.2301, 0.2785, 0.1829



43.8518, 0.3285, 0.4925

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.



18.2301, 0.2038, 0.4623



18.2301, 0.2785, 0.1829



18.2301, 0.4117, 0.5362

Square

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



18.2301, 0.2785, 0.1829



18.2301, 0.5497, 0.3731



18.2301, 0.3041, 0.5598



18.2301, 0.1205, 0.2118

Rectangle

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



18.2301, 0.2785, 0.1829



18.2301, 0.4863, 0.2751



18.2301, 0.3041, 0.5598



18.2301, 0.1562, 0.3598

Sweetspot

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



18.2308, 0.2785, 0.1829



71.1931, 0.3048, 0.2854



20.1297, 0.2187, 0.2110



14.9873, 0.3037, 0.2800



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.



18.2308, 0.2785, 0.1829



25.7596, 0.2686, 0.1559



21.5906, 0.3405, 0.2172



10.0788, 0.3087, 0.3059



5.7888, 0.2414, 0.1103



0.2860, 0.2596, 0.1204

Inverse Universe

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



19.8207, 0.4208, 0.2835



29.2956, 0.4583, 0.2778



42.0745, 0.2948, 0.4771



10.1305, 0.3239, 0.3216



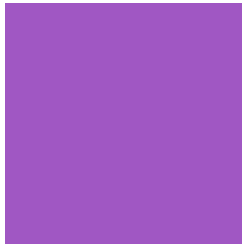
7.7889, 0.5650, 0.2886



0.3494, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 18.2301, 0.2785, 0.1829 looks on a white background.

Color Contrast Check

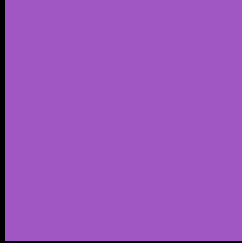
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2301, 0.2785, 0.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

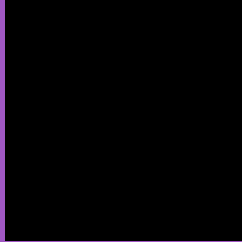
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2301, 0.2785, 0.1829

Background



This preview shows how black text looks on a background with the Yxy color 18.2301, 0.2785, 0.1829.



This preview shows how white text looks on a background with the Yxy color 18.2301, 0.2785, 0.1829.

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

18.2301, 0.2785, 0.1829

Protanopia

18.5595, 0.1912, 0.1666

Deuteranopia

18.5300, 0.2154, 0.2100



Tritanopia

18.2820, 0.3576, 0.3154

Trichromacy



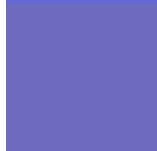
Original Color

18.2301, 0.2785, 0.1829



Protanomaly

17.4533, 0.2114, 0.1679



Deuteranomaly

17.4651, 0.2319, 0.1943



Tritanomaly

17.8341, 0.3255, 0.2566

Monochromacy



Original Color

18.2301, 0.2785, 0.1829



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.2263, 0.2995, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2301, 0.2785, 0.1829 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(160, 87, 195)` looks like.

```
.text, #text, p{  
    color:rgb(160, 87, 195)  
}
```

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(160, 87, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 87, 195) }
```

Border

The CSS property to change the border of an element to Yxy 18.2301, 0.2785, 0.1829 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(160, 87, 195) }
```

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

```
.border{ border-color:rgb(160, 87, 195) }
```

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

Here you see how a box with a 4 pixel rgb(160, 87, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 87, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 87, 195);  
box-shadow:4px 4px 4px 4px rgb(160, 87,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2301, 0.2785, 0.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 87, 195) }
```

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

```
.background{ background-color: rgb(160, 87,  
195) }
```

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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