

Converting Colors

$Y_{xy}(16.2929, 0.3090, 0.1856)$

Have a look what the booklet for
Yxy(16.2929, 0.3090, 0.1856)
contains.

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Color

Yxy(16.2929, 0.3090, 0.1856)

Conversions

Conversions Part 1

Format	Color
Hex	AB46B3
RGB	171, 70, 179
RGB Percent	67%, 27%, 70%
CMY	0.3293, 0.7256, 0.2980
CMYK	0.04, 0.61, 0.00, 0.30
HSL	296°, 44%, 49%
HSV	296°, 61%, 70%
XYZ	27.1256, 16.2929, 44.3665
YIQ	112.6250, 25.2070, 55.3110

Conversions

Conversions Part 2

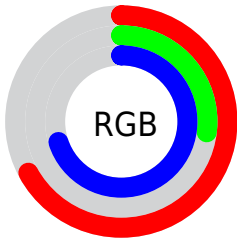
Format	Color
R_{YB}	171, 70, 179
Decimal	11224755
CIE _{Lab}	47.36, 56.10, -39.04
CIE _{LCh}	47, 68.350, 325.170
Yxy	16.2929, 0.3090, 0.1856
Android (android.graphics.Color)	4289414835 (0xFFAB46B3)
YUV	112.6250, 32.7229, 51.1949
Hunter-Lab	40.3645, 49.3171, -36.9134

Details

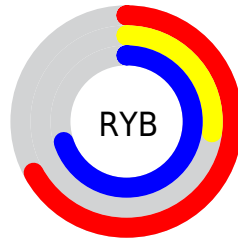
The Yxy color **16.2929, 0.3090, 0.1856** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.3033, 0.3085, 0.5197**, and the grayscale version is **16.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0715, 0.3125, 0.2125**, and **5.2628, 0.3017, 0.1445** is the 20% darker color. If you saturate the color by 10%, you get **14.2323, 0.3076, 0.1691**, and if you desaturate by 10%, it is **19.0237, 0.3102, 0.2056**.

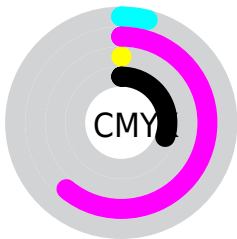
Distribution



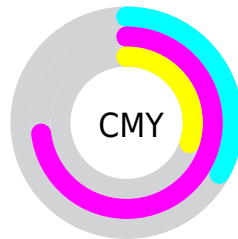
- Red (67%)
- Green (27%)
- Blue (70%)



- Red (67%)
- Yellow (27%)
- Blue (70%)



- Cyan (4%)
- Magenta (61%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (73%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2929, 0.3090, 0.1856 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 16.2929, 0.3090, 0.1856 by changing the saturation by 10% instead.


 16.2929, 0.3090,
0.1856


 16.2929, 0.3090,
0.1856


231.0639, 0.3145,
0.2591

 9.7317, 0.3062,
0.1673

 37.1059, 0.3120,
0.2124


 5.2214, 0.3015,
0.1443


 52.1265, 0.3128,
0.2225

 2.3777, 0.2934,
0.1149


 70.7357, 0.3134,
0.2310

 0.8144, 0.2782,
0.0773

 93.3178, 0.3138,
0.2383

 0.0000, 0.2555,
0.0000

 120.2573, 0.3140,
0.2445

 0.0000, 0.0310,
0.0000

151.9386, 0.3142,

 0.0000, 0.0000,

0.2500

0.0000

188.7460, 0.3144,
0.2548

■ 16.2929, 0.3090,
0.1856

■ 16.2929, 0.3090,
0.1856

■ 14.2323, 0.3076,
0.1691

■ 19.0237, 0.3102,
0.2056

■ 12.7784, 0.3060,
0.1567

■ 22.4764, 0.3111,
0.2282

■ 11.8593, 0.3043,
0.1486

■ 26.7001, 0.3118,
0.2525

■ 11.3511, 0.3026,
0.1441

■ 31.7389, 0.3123,
0.2776

■ 37.6337, 0.3126,
0.3026

■ 44.4225, 0.3127,
0.3269

■ 52.1412, 0.3127,
0.3500

■ 60.8235, 0.3125,
0.3716

■ 70.5017, 0.3123,
0.3916

Harmonies

Analogous

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



16.2929, 0.1989, 0.1545



16.2929, 0.3090, 0.1856



16.2929, 0.4495, 0.2425

Triad

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



16.2929, 0.3090, 0.1856



16.2929, 0.4888, 0.4831



16.2929, 0.1205, 0.2740

Complementary

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



16.2929, 0.3090, 0.1856



34.3033, 0.3085, 0.5197

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.



16.2929, 0.1727, 0.4296



16.2929, 0.3090, 0.1856



16.2929, 0.3838, 0.5660

Square

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



16.2929, 0.3090, 0.1856



16.2929, 0.5577, 0.3930



16.2929, 0.2700, 0.5663



16.2929, 0.1113, 0.1861

Rectangle

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



16.2929, 0.3090, 0.1856



16.2929, 0.5264, 0.2894



16.2929, 0.2700, 0.5663



16.2929, 0.1325, 0.3194

Sweetspot

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



16.2936, 0.3090, 0.1856



59.4344, 0.3124, 0.2841



10.1581, 0.1994, 0.1504



12.5311, 0.3123, 0.2768



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.2936, 0.3090, 0.1856



24.5062, 0.3071, 0.1645



15.6722, 0.3865, 0.2417



8.6144, 0.3126, 0.3065



8.0327, 0.3029, 0.1442



0.2621, 0.3082, 0.1472

Inverse Universe

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



14.5122, 0.4869, 0.3189



21.1897, 0.5474, 0.3193



34.7917, 0.2774, 0.4434



8.5150, 0.3276, 0.3274



6.7969, 0.6305, 0.3247



0.2172, 0.5933, 0.3042

Previews

White Background



This preview shows how the Yxy color 16.2929, 0.3090, 0.1856 looks on a white background.

Color Contrast Check

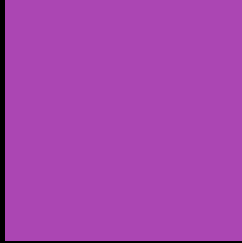
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2929, 0.3090, 0.1856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

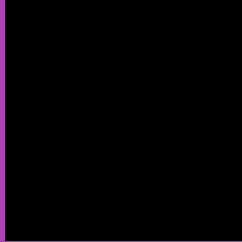
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2929, 0.3090, 0.1856

Background



This preview shows how black text looks on a background with the Yxy color 16.2929, 0.3090, 0.1856.



This preview shows how white text looks on a background with the Yxy color 16.2929, 0.3090, 0.1856.

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

16.2929, 0.3090, 0.1856

Protanopia

16.6520, 0.1874, 0.1614

Deuteranopia

16.4517, 0.2263, 0.2203



Tritanopia

16.3066, 0.4089, 0.3196

Trichromacy



Original Color

16.2929, 0.3090, 0.1856



Protanomaly

14.9830, 0.2117, 0.1611



Deuteranomaly

15.3575, 0.2493, 0.1992



Tritanomaly

16.0548, 0.3712, 0.2630

Monochromacy



Original Color

16.2929, 0.3090, 0.1856



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.4239, 0.3119, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2929, 0.3090, 0.1856 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(171, 70, 179)` looks like.

```
.text, #text, p{  
    color:rgb(171, 70, 179)  
}
```

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(171, 70, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 70, 179) }
```

Border

The CSS property to change the border of an element to Yxy 16.2929, 0.3090, 0.1856 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(171, 70, 179) }
```

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

```
.border{ border-color:rgb(171, 70, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 70, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 70, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 70, 179);  
box-shadow:4px 4px 4px 4px rgb(171, 70,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2929, 0.3090, 0.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 70, 179) }
```

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

```
.background{ background-color: rgb(171, 70,  
179) }
```

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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