

Converting Colors

$Y_{xy}(16.9861, 0.3251, 0.2090)$

Have a look what the booklet for
Yxy(16.9861, 0.3251, 0.2090)
contains.

Yxy(17.0031, 0.3251, 0.2088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0031, 0.3251, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	AB4FA6
RGB	171, 79, 166
RGB Percent	67%, 31%, 65%
CMY	0.3294, 0.6902, 0.3491
CMYK	0.00, 0.54, 0.03, 0.33
HSL	303°, 37%, 49%
HSV	303°, 54%, 67%
XYZ	26.4737, 17.0031, 37.9557
YIQ	116.4260, 26.9050, 46.5610

Conversions

Conversions Part 2

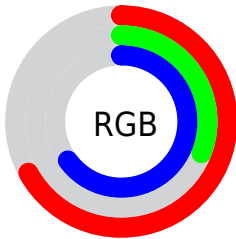
Format	Color
R_{YB}	171, 79, 166
Decimal	11227046
CIE _{Lab}	48.26, 49.53, -29.96
CIE _{LCh}	48, 57.888, 328.836
Yxy	17.0031, 0.3251, 0.2088
Android (android.graphics.Color)	4289417126 (0xFFAB4FA6)
YUV	116.4260, 24.4400, 47.8614
Hunter-Lab	41.2348, 42.4402, -25.7107

Details

The Yxy color **17.0031, 0.3251, 0.2088** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.4321, 0.3017, 0.4891**, and the grayscale version is **17.5204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2170, 0.3240, 0.2323**, and **5.5407, 0.3243, 0.1704** is the 20% darker color. If you saturate the color by 10%, you get **14.8120, 0.3276, 0.1917**, and if you desaturate by 10%, it is **19.8306, 0.3226, 0.2288**.

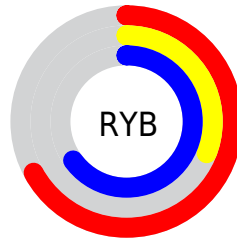
Distribution



Red (67%)

Green (31%)

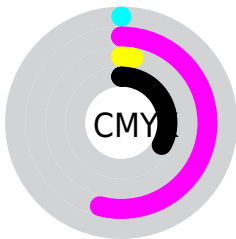
Blue (65%)



Red (67%)

Yellow (31%)

Blue (65%)

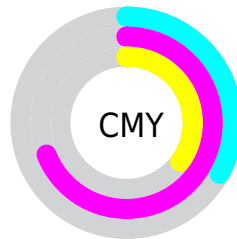


Cyan (0%)

Magenta (54%)

Yellow (3%)

Black (33%)



Cyan (33%)


Magenta (69%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0031, 0.3251, 0.2088 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 17.0031, 0.3251, 0.2088 by changing the saturation by 10% instead.


 17.0031, 0.3251,
0.2088


 17.0031, 0.3251,
0.2088


235.1902, 0.3205,
0.2718


 10.2367, 0.3255,
0.1924


 38.3311, 0.3239,
0.2323


 5.5562, 0.3253,
0.1712


 53.6615, 0.3234,
0.2409


 2.5771, 0.3238,
0.1430

 72.6154, 0.3228,
0.2482

 0.9152, 0.3187,
0.1048

 95.5771, 0.3222,
0.2543

 0.0000, 0.3202,
0.0000

 122.9310, 0.3218,
0.2596

 0.0000, 0.0000,
0.0000

155.0616, 0.3213,

0.2642

192.3532, 0.3209,
0.2683

■ 17.0031, 0.3251,
0.2088

■ 17.0031, 0.3251,
0.2088

■ 14.8120, 0.3276,
0.1917

■ 19.8306, 0.3226,
0.2288

■ 13.2051, 0.3299,
0.1782

■ 23.3365, 0.3201,
0.2509

■ 12.1262, 0.3320,
0.1689

■ 27.5620, 0.3177,
0.2740

■ 11.5067, 0.3339,
0.1638

■ 32.5446, 0.3155,
0.2974

■ 11.2559, 0.3350,
0.1619

■ 38.3187, 0.3134,
0.3205

■ 44.9171, 0.3116,
0.3426

■ 52.3705, 0.3099,
0.3635

■ 60.7079, 0.3084,
0.3830

■ 69.9573, 0.3072,
0.4010

Harmonies

Analogous

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



17.0031, 0.2248, 0.1773



17.0031, 0.3251, 0.2088



17.0031, 0.4416, 0.2629

Triad

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



17.0031, 0.3251, 0.2088



17.0031, 0.4625, 0.4805



17.0031, 0.1418, 0.2736

Complementary

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



17.0031, 0.3251, 0.2088



31.4321, 0.3017, 0.4891

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.



17.0031, 0.1863, 0.3960



17.0031, 0.3251, 0.2088



17.0031, 0.3706, 0.5363

Square

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



17.0031, 0.3251, 0.2088



17.0031, 0.5221, 0.4036



17.0031, 0.2700, 0.5130



17.0031, 0.1356, 0.2011

Rectangle

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



17.0031, 0.3251, 0.2088



17.0031, 0.5012, 0.3069



17.0031, 0.2700, 0.5130



17.0031, 0.1520, 0.3097

Sweetspot

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



17.0039, 0.3251, 0.2088



55.9357, 0.3160, 0.2916



10.3995, 0.2152, 0.1625



12.0684, 0.3165, 0.2870



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.



17.0039, 0.3251, 0.2088



25.7586, 0.3281, 0.1882



15.6172, 0.3945, 0.2678



8.1404, 0.3146, 0.3078



8.4869, 0.3348, 0.1618



0.2383, 0.3302, 0.1593

Inverse Universe

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



17.0039, 0.3251, 0.2088



25.7586, 0.3281, 0.1882



32.3927, 0.2715, 0.4036



8.1404, 0.3146, 0.3078



8.4869, 0.3348, 0.1618



0.2383, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 17.0031, 0.3251, 0.2088 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 17.0031, 0.3251, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

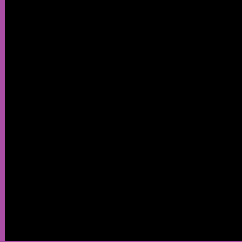
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0031, 0.3251, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 17.0031, 0.3251, 0.2088.



This preview shows how white text looks on a background with the Yxy color 17.0031, 0.3251, 0.2088.

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

17.0031, 0.3251, 0.2088

Protanopia

17.2339, 0.2102, 0.1912

Deuteranopia

17.2820, 0.2497, 0.2449



Tritanopia

16.9303, 0.4057, 0.3181

Trichromacy



Original Color

17.0031, 0.3251, 0.2088



Protanomaly

16.0857, 0.2397, 0.1926



Deuteranomaly

16.3516, 0.2731, 0.2258



Tritanomaly

16.7324, 0.3761, 0.2736

Monochromacy



Original Color

17.0031, 0.3251, 0.2088



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6560, 0.3180, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0031, 0.3251, 0.2088 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, 79, 166)` looks like.

```
.text, #text, p{  
    color:rgb(171, 79, 166)  
}
```

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, 79, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 79, 166) }
```

Border

The CSS property to change the border of an element to Yxy 17.0031, 0.3251, 0.2088 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, 79, 166) }
```

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

```
.border{ border-color:rgb(171, 79, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 79, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 79, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 79, 166);  
box-shadow:4px 4px 4px 4px rgb(171, 79,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0031, 0.3251, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 79, 166) }
```

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

```
.background{ background-color: rgb(171, 79,  
166) }
```

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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