

Converting Colors

$Y_{xy}(17.7311, 0.3279, 0.2031)$

Have a look what the booklet for
Yxy(17.7311, 0.3279, 0.2031)
contains.

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Color

Yxy(17.7311, 0.3279, 0.2031)

Conversions

Conversions Part 1

Format	Color
Hex	B34CAC
RGB	179, 76, 172
RGB Percent	70%, 30%, 67%
CMY	0.2979, 0.7020, 0.3255
CMYK	0.00, 0.58, 0.04, 0.30
HSL	304°, 40%, 50%
HSV	304°, 58%, 70%
XYZ	28.6264, 17.7311, 40.9448
YIQ	117.7410, 30.5720, 51.6920

Conversions

Conversions Part 2

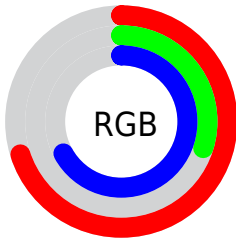
Format	Color
R _Y B	179, 76, 172
Decimal	11750572
CIE Lab	49.17, 54.26, -32.00
CIE LCh	49, 62.991, 329.469
Yxy	17.7311, 0.3279, 0.2031
Android (android.graphics.Color)	4289940652 (0xFFB34CAC)
YUV	117.7410, 26.7497, 53.7241
Hunter-Lab	42.1083, 47.6598, -28.1759

Details

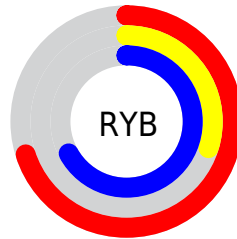
The Yxy color **17.7311, 0.3279, 0.2031** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.4125, 0.3003, 0.5001**, and the grayscale version is **17.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5712, 0.3261, 0.2267**, and **5.8845, 0.3285, 0.1656** is the 20% darker color. If you saturate the color by 10%, you get **15.5530, 0.3308, 0.1874**, and if you desaturate by 10%, it is **20.5975, 0.3250, 0.2220**.

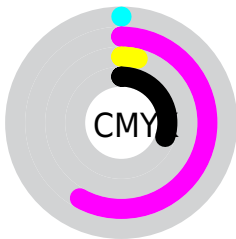
Distribution



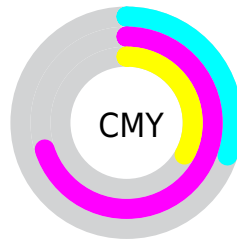
- Red (70%)
- Green (30%)
- Blue (67%)



- Red (70%)
- Yellow (30%)
- Blue (67%)



- Cyan (0%)
- Magenta (58%)
- Yellow (4%)
- Black (30%)





- Cyan (30%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7311, 0.3279, 0.2031 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 17.7311, 0.3279, 0.2031 by changing the saturation by 10% instead.


 17.7311, 0.3279,
0.2031


 17.7311, 0.3279,
0.2031


239.3510, 0.3221,
0.2682


 10.7571, 0.3285,
0.1866


 39.5786, 0.3263,
0.2271


 5.9037, 0.3287,
0.1654


 55.2209, 0.3256,
0.2360

 2.7866, 0.3277,
0.1377


 74.5214, 0.3249,
0.2435

 1.0214, 0.3235,
0.1008

 97.8645, 0.3242,
0.2499

 0.0000, 0.3273,
0.0000

 125.6346, 0.3236,
0.2554

 0.0000, 0.1655,
0.0000

158.2162, 0.3230,

 0.0000, 0.0000,

0.2602

0.0000

195.9935, 0.3225,
0.2644

■ 17.7311, 0.3279,
0.2031

■ 17.7311, 0.3279,
0.2031

■ 15.5530, 0.3308,
0.1874

■ 20.5975, 0.3250,
0.2220

■ 14.0023, 0.3335,
0.1757

■ 24.2015, 0.3221,
0.2432

■ 13.0114, 0.3360,
0.1682

■ 28.5910, 0.3193,
0.2659

■ 12.4766, 0.3382,
0.1646

■ 33.8087, 0.3167,
0.2890

■ 12.3708, 0.3388,
0.1640

■ 39.8947, 0.3144,
0.3121

■ 46.8861, 0.3122,
0.3343

■ 54.8182, 0.3103,
0.3555

■ 63.7241, 0.3086,
0.3753

■ 73.6354, 0.3071,
0.3936

Harmonies

Analogous

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



17.7311, 0.2209, 0.1698



17.7311, 0.3279, 0.2031



17.7311, 0.4530, 0.2598

Triad

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



17.7311, 0.3279, 0.2031



17.7311, 0.4668, 0.4881



17.7311, 0.1319, 0.2662

Complementary

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



17.7311, 0.3279, 0.2031



34.4125, 0.3003, 0.5001

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.



17.7311, 0.1764, 0.3975



17.7311, 0.3279, 0.2031



17.7311, 0.3687, 0.5508

Square

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



17.7311, 0.3279, 0.2031



17.7311, 0.5331, 0.4058



17.7311, 0.2631, 0.5270



17.7311, 0.1269, 0.1919

Rectangle

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



17.7311, 0.3279, 0.2031



17.7311, 0.5159, 0.3053



17.7311, 0.2631, 0.5270



17.7311, 0.1418, 0.3043

Sweetspot

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



17.7319, 0.3279, 0.2031



60.8054, 0.3167, 0.2897



10.2540, 0.2087, 0.1499



13.0337, 0.3172, 0.2851



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.



17.7319, 0.3279, 0.2031



27.0181, 0.3315, 0.1840



16.1248, 0.4066, 0.2664



8.6365, 0.3148, 0.3081



8.7424, 0.3385, 0.1639



0.2780, 0.3331, 0.1609

Inverse Universe

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



17.7319, 0.3279, 0.2031



27.0181, 0.3315, 0.1840



35.5196, 0.2685, 0.4070



8.6365, 0.3148, 0.3081



8.7424, 0.3385, 0.1639



0.2780, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 17.7311, 0.3279, 0.2031 looks on a white background.

Color Contrast Check

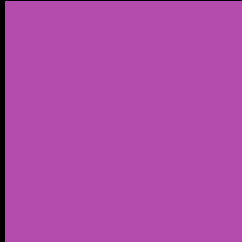
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7311, 0.3279, 0.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

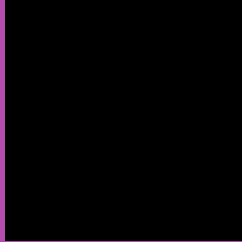
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7311, 0.3279, 0.2031

Background



This preview shows how black text looks on a background with the Yxy color 17.7311, 0.3279, 0.2031.

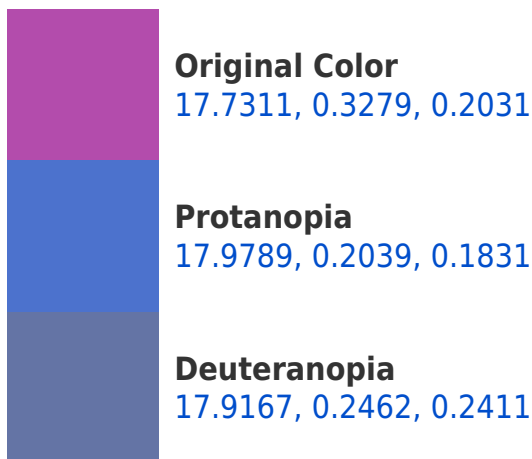


This preview shows how white text looks on a background with the Yxy color 17.7311, 0.3279, 0.2031.

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

17.7819, 0.4184, 0.3202

Trichromacy



Original Color

17.7311, 0.3279, 0.2031



Protanomaly

16.4753, 0.2333, 0.1831



Deuteranomaly

16.8016, 0.2706, 0.2189



Tritanomaly

17.5104, 0.3845, 0.2717

Monochromacy



Original Color

17.7311, 0.3279, 0.2031



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.1109, 0.3182, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7311, 0.3279, 0.2031 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(179, 76, 172)` looks like.

```
.text, #text, p{  
    color:rgb(179, 76, 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(179, 76, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 76, 172) }
```

Border

The CSS property to change the border of an element to Yxy 17.7311, 0.3279, 0.2031 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(179, 76, 172) }
```

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

```
.border{ border-color:rgb(179, 76, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 76, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 76, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 76, 172);  
box-shadow:4px 4px 4px 4px rgb(179, 76,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7311, 0.3279, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 76, 172) }
```

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

```
.background{ background-color: rgb(179, 76,  
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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