

Converting Colors

$Y_{xy}(15.0262, 0.3164, 0.1708)$

Have a look what the booklet for
Yxy(15.0262, 0.3164, 0.1708)
contains.

Yxy(14.9978, 0.3161, 0.1705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.9978, 0.3161, 0.1705)

Conversions

Conversions Part 1

Format	Color
Hex	B231B5
RGB	178, 49, 181
RGB Percent	70%, 19%, 71%
CMY	0.3019, 0.8080, 0.2901
CMYK	0.02, 0.73, 0.00, 0.29
HSL	299°, 57%, 45%
HSV	299°, 73%, 71%
XYZ	27.8053, 14.9978, 45.1605
YIQ	102.6190, 34.5120, 68.4000

Conversions

Conversions Part 2

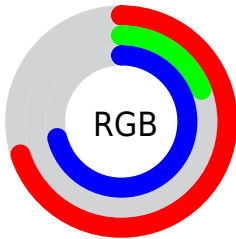
Format	Color
R_{YB}	178, 49, 181
Decimal	11678133
CIE _{Lab}	45.63, 66.27, -42.89
CIE _{LCh}	46, 78.938, 327.087
Yxy	14.9978, 0.3161, 0.1705
Android (android.graphics.Color)	4289868213 (0xFFB231B5)
YUV	102.6190, 38.6418, 66.1091
Hunter-Lab	38.7270, 60.3876, -42.0307

Details

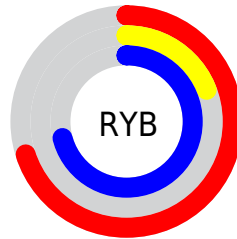
The Yxy color **14.9978, 0.3161, 0.1705** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **34.0098, 0.3032, 0.5576**, and the grayscale version is **13.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8441, 0.3188, 0.1999**, and **5.5973, 0.3095, 0.1479** is the 20% darker color. If you saturate the color by 10%, you get **13.7291, 0.3159, 0.1600**, and if you desaturate by 10%, it is **16.8757, 0.3161, 0.1851**.

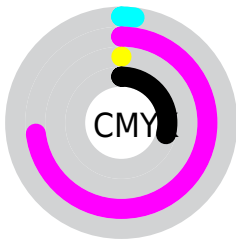
Distribution



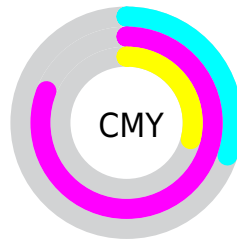
- Red (70%)
- Green (19%)
- Blue (71%)



- Red (70%)
- Yellow (19%)
- Blue (71%)



- Cyan (2%)
- Magenta (73%)
- Yellow (0%)
- Black (29%)




- Cyan (30%)
- Magenta (81%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9978, 0.3161, 0.1705 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 14.9978, 0.3161, 0.1705 by changing the saturation by 10% instead.


 14.9978, 0.3161,
0.1705


 14.9978, 0.3161,
0.1705


223.3529, 0.3185,
0.2508


 8.8178, 0.3138,
0.1511


 34.8493, 0.3181,
0.1995


 4.6226, 0.3097,
0.1269


 49.2897, 0.3185,
0.2104


 2.0276, 0.3020,
0.0968


 67.2523, 0.3187,
0.2198

 0.6234, 0.2877,
0.0581

 89.1215, 0.3188,
0.2277

 0.0000, 0.2611,
0.0000

 115.2818, 0.3188,
0.2347

 0.0000, 0.0753,
0.0000

 146.1176, 0.3187,

 0.0000, 0.0000,

0.2407

0.0000

182.0131, 0.3186,
0.2461

■ 14.9978, 0.3161,
0.1705

■ 14.9978, 0.3161,
0.1705

■ 13.7291, 0.3159,
0.1600

■ 16.8757, 0.3161,
0.1851

■ 12.9898, 0.3156,
0.1538

■ 19.4259, 0.3159,
0.2035

■ 12.6742, 0.3153,
0.1510

■ 22.7058, 0.3155,
0.2248

■ 26.7661, 0.3150,
0.2482

■ 31.6531, 0.3144,
0.2727

■ 37.4093, 0.3137,
0.2976

■ 44.0745, 0.3129,
0.3220

■ 51.6859, 0.3122,
0.3454

■ 60.2786, 0.3114,
0.3675

Harmonies

Analogous

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



14.9978, 0.1884, 0.1354



14.9978, 0.3161, 0.1705



14.9978, 0.4832, 0.2331

Triad

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



14.9978, 0.3161, 0.1705



14.9978, 0.4985, 0.5015



14.9978, 0.0948, 0.2508

Complementary

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



14.9978, 0.3161, 0.1705



34.0098, 0.3032, 0.5576

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.



14.9978, 0.1437, 0.4347



14.9978, 0.3161, 0.1705



14.9978, 0.3716, 0.6047

Square

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



14.9978, 0.3161, 0.1705



14.9978, 0.5847, 0.3926



14.9978, 0.2461, 0.6125



14.9978, 0.0901, 0.1607

Rectangle

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



14.9978, 0.3161, 0.1705



14.9978, 0.5696, 0.2831



14.9978, 0.2461, 0.6125



14.9978, 0.1051, 0.3014

Sweetspot

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



14.9985, 0.3161, 0.1705



57.2326, 0.3143, 0.2742



6.5685, 0.1761, 0.1061



11.8305, 0.3145, 0.2676



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.



14.9985, 0.3161, 0.1705



23.6202, 0.3157, 0.1555



13.3618, 0.4214, 0.2395



8.6367, 0.3134, 0.3065



8.7386, 0.3153, 0.1511



0.2780, 0.3170, 0.1520

Inverse Universe

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



12.2679, 0.5532, 0.3266



18.5408, 0.6159, 0.3280



34.8500, 0.2714, 0.4582



8.5083, 0.3284, 0.3285



6.7799, 0.6371, 0.3283



0.2144, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 14.9978, 0.3161, 0.1705 looks on a white background.

Color Contrast Check

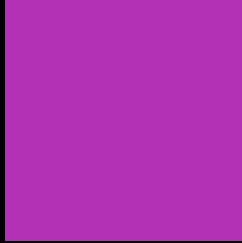
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9978, 0.3161, 0.1705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

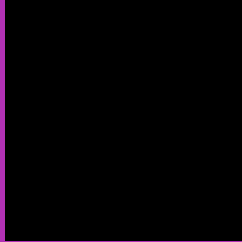
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9978, 0.3161, 0.1705

Background



This preview shows how black text looks on a background with the Yxy color 14.9978, 0.3161, 0.1705.



This preview shows how white text looks on a background with the Yxy color 14.9978, 0.3161, 0.1705.

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

14.9978, 0.3161, 0.1705

Protanopia

15.4309, 0.1739, 0.1461

Deuteranopia

15.3717, 0.2178, 0.2127



Tritanopia

14.9547, 0.4436, 0.3202

Trichromacy



Original Color

14.9978, 0.3161, 0.1705



Protanomaly

12.1749, 0.1866, 0.1351



Deuteranomaly

13.3563, 0.2430, 0.1820



Tritanomaly

14.4434, 0.3950, 0.2536

Monochromacy



Original Color

14.9978, 0.3161, 0.1705



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.5710, 0.3153, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9978, 0.3161, 0.1705 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(178, 49, 181)` looks like.

```
.text, #text, p{  
    color:rgb(178, 49, 181)  
}
```

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(178, 49, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 49, 181) }
```

Border

The CSS property to change the border of an element to Yxy 14.9978, 0.3161, 0.1705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

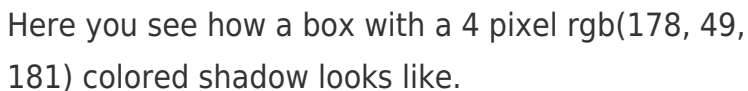
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 49, 181) }
```

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

```
.border{ border-color:rgb(178, 49, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 49, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 49, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 49, 181);  
box-shadow:4px 4px 4px 4px rgb(178, 49,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9978, 0.3161, 0.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 49, 181) }
```

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

```
.background{ background-color: rgb(178, 49,  
181) }
```

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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