

Converting Colors

$Y_{xy}(17.9097, 0.2471, 0.1404)$

Have a look what the booklet for
Yxy(17.9097, 0.2471, 0.1404)
contains.

Yxy(17.9097, 0.2471, 0.1404)	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(17.9097, 0.2471, 0.1404)

Conversions

Conversions Part 1

Format	Color
Hex	A147E8
RGB	161, 71, 232
RGB Percent	63%, 28%, 91%
CMY	0.3685, 0.7217, 0.0902
CMYK	0.31, 0.69, 0.00, 0.09
HSL	274°, 78%, 59%
HSV	274°, 69%, 91%
XYZ	31.5206, 17.9097, 78.1317
YIQ	116.2640, 1.9590, 69.1510

Conversions

Conversions Part 2

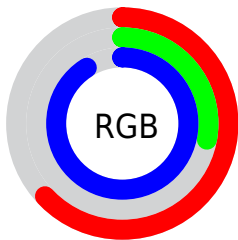
Format	Color
R_{YB}	161, 71, 232
Decimal	10569704
CIE _{Lab}	49.39, 64.25, -66.32
CIE _{LCh}	49, 92.339, 314.093
Yxy	17.9097, 0.2471, 0.1404
Android (android.graphics.Color)	4288759784 (0xFFA147E8)
YUV	116.2640, 57.0578, 39.2335
Hunter-Lab	42.3199, 58.8902, -79.8384

Details

The Yxy color **17.9097, 0.2471, 0.1404** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **63.9069, 0.3395, 0.5274**, and the grayscale version is **17.3706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3574, 0.2876, 0.1953**, and **5.9787, 0.2210, 0.0991** is the 20% darker color. If you saturate the color by 10%, you get **14.4831, 0.2353, 0.1202**, and if you desaturate by 10%, it is **22.5499, 0.2590, 0.1648**.

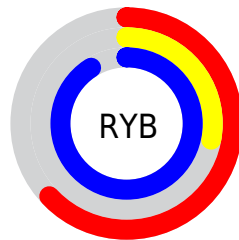
Distribution



Red (63%)

Green (28%)

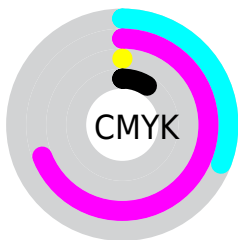
Blue (91%)



Red (63%)

Yellow (28%)

Blue (91%)

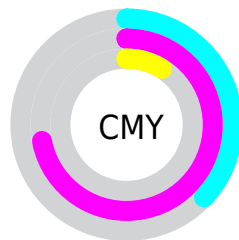


Cyan (31%)

Magenta (69%)

Yellow (0%)

Black (9%)



Cyan (37%)


Magenta (72%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9097, 0.2471, 0.1404 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 17.9097, 0.2471, 0.1404 by changing the saturation by 10% instead.


 17.9097, 0.2471,
0.1404


 17.9097, 0.2471,
0.1404


240.3616, 0.2866,
0.2291


 10.8852, 0.2358,
0.1214


 39.8834, 0.2627,
0.1706


 5.9897, 0.2207,
0.0991


 55.6014, 0.2682,
0.1825

 2.8388, 0.2002,
0.0734


 74.9859, 0.2727,
0.1929

 1.0482, 0.1718,
0.0452

 98.4215, 0.2765,
0.2020

 0.0000, 0.1345,
0.0000

 126.2924, 0.2796,
0.2100

 0.0000, 0.0713,
0.0000

158.9832, 0.2823,

 0.0000, 0.0000,

0.2171

0.0000

196.8781, 0.2846,
0.2234

■ 17.9097, 0.2471,
0.1404

■ 17.9097, 0.2471,
0.1404

■ 14.4831, 0.2353,
0.1202

■ 22.5499, 0.2590,
0.1648

■ 12.1300, 0.2240,
0.1052

■ 28.5185, 0.2705,
0.1922

■ 10.6306, 0.2136,
0.0953

■ 35.9187, 0.2812,
0.2211

■ 10.5524, 0.2130,
0.0947

■ 44.8427, 0.2909,
0.2502

■ 55.3748, 0.2994,
0.2786

67.5931, 0.3068,
0.3054

81.5703, 0.3131,
0.3304

96.3686, 0.3184,
0.3518

98.2367, 0.3249,
0.3514

Harmonies

Analogous

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



17.9097, 0.1410, 0.1178



17.9097, 0.2471, 0.1404



17.9097, 0.4189, 0.1938

Triad

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



17.9097, 0.2471, 0.1404



17.9097, 0.5516, 0.4484



17.9097, 0.0949, 0.3144

Complementary

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



17.9097, 0.2471, 0.1404



63.9069, 0.3395, 0.5274

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.



17.9097, 0.1684, 0.5515



17.9097, 0.2471, 0.1404



17.9097, 0.4255, 0.5745

Square

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



17.9097, 0.2471, 0.1404



17.9097, 0.6225, 0.3474



17.9097, 0.2890, 0.6608



17.9097, 0.0754, 0.1774

Rectangle

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



17.9097, 0.2471, 0.1404



17.9097, 0.5377, 0.2422



17.9097, 0.2890, 0.6608



17.9097, 0.1123, 0.3874

Sweetspot

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



17.9103, 0.2471, 0.1404



66.2593, 0.2981, 0.2738



26.9398, 0.2017, 0.2009



13.3837, 0.2958, 0.2660



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.



17.9103, 0.2471, 0.1404



16.6267, 0.2306, 0.1135



27.0364, 0.3284, 0.1813



14.2827, 0.3068, 0.3053



5.9347, 0.2146, 0.0956



0.4934, 0.2295, 0.1038

Inverse Universe

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



23.6088, 0.4392, 0.2566



24.8085, 0.4791, 0.2551



59.6113, 0.2997, 0.5436



14.4730, 0.3224, 0.3187



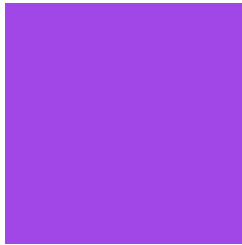
10.0838, 0.5204, 0.2641



0.7636, 0.4841, 0.2440

Previews

White Background



This preview shows how the Yxy color 17.9097, 0.2471, 0.1404 looks on a white background.

Color Contrast Check

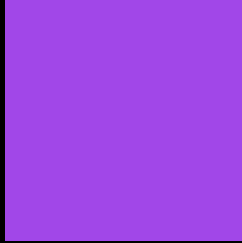
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9097, 0.2471, 0.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

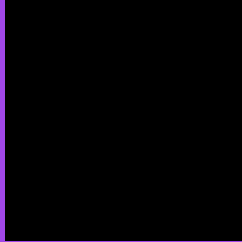
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9097, 0.2471, 0.1404

Background



This preview shows how black text looks on a background with the Yxy color 17.9097, 0.2471, 0.1404.



This preview shows how white text looks on a background with the Yxy color 17.9097, 0.2471, 0.1404.

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

17.9097, 0.2471, 0.1404

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

18.0861, 0.1836, 0.1810



Tritanopia

17.7971, 0.3449, 0.3148

Trichromacy



Original Color

17.9097, 0.2471, 0.1404



Protanomaly

15.7796, 0.1799, 0.1323



Deuteranomaly

15.4945, 0.1865, 0.1504



Tritanomaly

16.9835, 0.3031, 0.2282

Monochromacy



Original Color

17.9097, 0.2471, 0.1404



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.4885, 0.2843, 0.2316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9097, 0.2471, 0.1404 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(161, 71, 232)` looks like.

```
.text, #text, p{  
    color:rgb(161, 71, 232)  
}
```

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(161, 71, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 71, 232) }
```

Border

The CSS property to change the border of an element to Yxy 17.9097, 0.2471, 0.1404 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(161, 71, 232) }
```

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

```
.border{ border-color:rgb(161, 71, 232) }
```

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

Here you see how a box with a 4 pixel rgb(161, 71, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 71, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 71, 232);  
box-shadow:4px 4px 4px 4px rgb(161, 71,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9097, 0.2471, 0.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 71, 232) }
```

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

```
.background{ background-color: rgb(161, 71,  
232) }
```

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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