

Converting Colors

$Y_{xy}(17.9930, 0.2489, 0.1406)$

Have a look what the booklet for
Yxy(17.9930, 0.2489, 0.1406)
contains.

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Color

Yxy(17.9930, 0.2489, 0.1406)

Conversions

Conversions Part 1

Format	Color
Hex	A346E8
RGB	163, 70, 232
RGB Percent	64%, 27%, 91%
CMY	0.3609, 0.7253, 0.0903
CMYK	0.30, 0.70, 0.00, 0.09
HSL	274°, 78%, 59%
HSV	274°, 70%, 91%
XYZ	31.8525, 17.9930, 78.1275
YIQ	116.2750, 3.4260, 70.0980

Conversions

Conversions Part 2

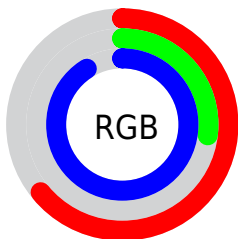
Format	Color
RYB	163, 70, 232
Decimal	10700520
CIELab	49.49, 65.03, -66.14
CIElCh	49, 92.753, 314.513
Yxy	17.9930, 0.2489, 0.1406
Android (android.graphics.Color)	4288890600 (0xFFA346E8)
YUV	116.2750, 57.0524, 40.9778
Hunter-Lab	42.4182, 59.8067, -79.5100

Details

The Yxy color **17.9930, 0.2489, 0.1406** 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 **63.6425, 0.3379, 0.5295**, and the grayscale version is **17.3784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4168, 0.2894, 0.1951**, and **6.0984, 0.2235, 0.1005** is the 20% darker color. If you saturate the color by 10%, you get **14.6257, 0.2374, 0.1209**, and if you desaturate by 10%, it is **22.5636, 0.2604, 0.1646**.

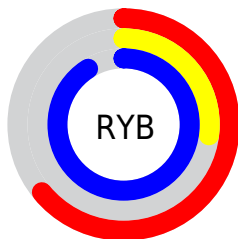
Distribution



Red (64%)

Green (27%)

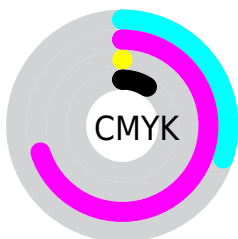
Blue (91%)



Red (64%)

Yellow (27%)

Blue (91%)

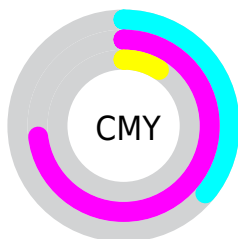


Cyan (30%)

Magenta (70%)

Yellow (0%)

Black (9%)



Cyan (36%)


Magenta (73%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9930, 0.2489, 0.1406 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 17.9930, 0.2489, 0.1406 by changing the saturation by 10% instead.


 17.9930, 0.2489,
0.1406

 17.9930, 0.2489,
0.1406


240.8316, 0.2875,
0.2291


 10.9450, 0.2378,
0.1216


 40.0254, 0.2642,
0.1707


 6.0298, 0.2230,
0.0994


 55.7785, 0.2696,
0.1827


 2.8632, 0.2028,
0.0737


 75.2022, 0.2740,
0.1930

 1.0608, 0.1747,
0.0456

 98.6807, 0.2776,
0.2021

 0.0000, 0.1378,
0.0000

 126.5985, 0.2807,
0.2101

 0.0000, 0.0756,
0.0000

159.3400, 0.2833,

 0.0000, 0.0000,

0.2172

0.0000

197.2896, 0.2856,
0.2235

■ 17.9930, 0.2489,
0.1406

■ 17.9930, 0.2489,
0.1406

■ 14.6257, 0.2374,
0.1209

■ 22.5636, 0.2604,
0.1646

■ 12.3207, 0.2264,
0.1063

■ 28.4527, 0.2716,
0.1916


■ 10.8463, 0.2163,
0.0966

■ 35.7640, 0.2820,
0.2203


■ 10.8212, 0.2161,
0.0964


■ 44.5896, 0.2914,
0.2492

■ 55.0142, 0.2996,
0.2775

 67.1156, 0.3068,
0.3044

 80.9668, 0.3128,
0.3295

 96.2338, 0.3179,
0.3518

 98.0316, 0.3242,
0.3514

Harmonies

Analogous

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



17.9930, 0.1417, 0.1176



17.9930, 0.2489, 0.1406



17.9930, 0.4218, 0.1944

Triad

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



17.9930, 0.2489, 0.1406



17.9930, 0.5502, 0.4498



17.9930, 0.0939, 0.3115

Complementary

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



17.9930, 0.2489, 0.1406



63.6425, 0.3379, 0.5295

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.



17.9930, 0.1665, 0.5491



17.9930, 0.2489, 0.1406



17.9930, 0.4235, 0.5765

Square

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



17.9930, 0.2489, 0.1406



17.9930, 0.6227, 0.3484



17.9930, 0.2868, 0.6620



17.9930, 0.0750, 0.1758

Rectangle

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



17.9930, 0.2489, 0.1406



17.9930, 0.5404, 0.2430



17.9930, 0.2868, 0.6620



17.9930, 0.1110, 0.3842

Sweetspot

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



17.9936, 0.2489, 0.1406



66.3889, 0.2986, 0.2739



25.9487, 0.2002, 0.1960



13.4146, 0.2964, 0.2661



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.



17.9936, 0.2489, 0.1406



16.6536, 0.2322, 0.1135



26.7695, 0.3314, 0.1828



14.2933, 0.3070, 0.3053



6.0841, 0.2177, 0.0973



0.5041, 0.2323, 0.1053

Inverse Universe

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



23.4048, 0.4440, 0.2589



24.5005, 0.4870, 0.2583



59.6007, 0.2988, 0.5419



14.4694, 0.3226, 0.3190



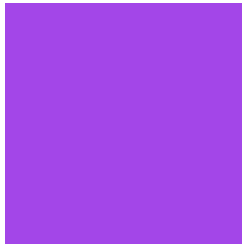
10.0471, 0.5264, 0.2674



0.7607, 0.4892, 0.2469

Previews

White Background



This preview shows how the Yxy color 17.9930, 0.2489, 0.1406 looks on a white background.

Color Contrast Check

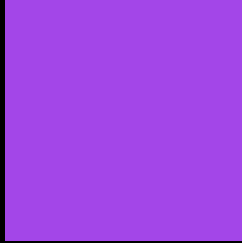
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9930, 0.2489, 0.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

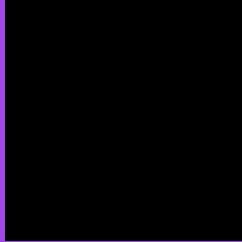
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9930, 0.2489, 0.1406

Background



This preview shows how black text looks on a background with the Yxy color 17.9930, 0.2489, 0.1406.



This preview shows how white text looks on a background with the Yxy color 17.9930, 0.2489, 0.1406.

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

17.9930, 0.2489, 0.1406

Protanopia

18.3259, 0.1741, 0.1467

Deuteranopia

18.1361, 0.1833, 0.1800



Tritanopia

17.7603, 0.3479, 0.3132

Trichromacy



Original Color

17.9930, 0.2489, 0.1406



Protanomaly

15.7796, 0.1799, 0.1323



Deuteranomaly

15.5470, 0.1862, 0.1497



Tritanomaly

16.9926, 0.3057, 0.2275

Monochromacy



Original Color

17.9930, 0.2489, 0.1406



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3788, 0.2855, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9930, 0.2489, 0.1406 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(163, 70, 232)` looks like.

```
.text, #text, p{  
  color:rgb(163, 70, 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(163, 70, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 70, 232) }
```

Border

The CSS property to change the border of an element to Yxy 17.9930, 0.2489, 0.1406 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(163, 70, 232) }
```

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

```
.border{ border-color:rgb(163, 70, 232) }
```

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

Here you see how a box with a 4 pixel rgb(163, 70, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 70, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 70, 232);  
box-shadow:4px 4px 4px 4px rgb(163, 70,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9930, 0.2489, 0.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 70, 232) }
```

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

```
.background{ background-color: rgb(163, 70,  
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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