

Converting Colors

$Y_{xy}(17.2421, 0.2449, 0.1391)$

Have a look what the booklet for
Yxy(17.2421, 0.2449, 0.1391)
contains.

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Color

Yxy(17.2616, 0.2445, 0.1389)

Conversions

Conversions Part 1

Format	Color
Hex	9D46E6
RGB	157, 70, 230
RGB Percent	62%, 27%, 90%
CMY	0.3842, 0.7256, 0.0979
CMYK	0.32, 0.70, 0.00, 0.10
HSL	273°, 76%, 59%
HSV	273°, 70%, 90%
XYZ	30.3849, 17.2616, 76.6271
YIQ	114.2530, 0.4920, 68.2040

Conversions

Conversions Part 2

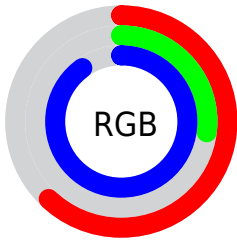
Format	Color
R _{YB}	157, 70, 230
Decimal	10307302
CIE _{Lab}	48.59, 63.49, -66.54
CIE _{LCh}	49, 91.967, 313.655
Y _{xy}	17.2616, 0.2445, 0.1389
Android (android.graphics.Color)	4288497382 (0xFF9D46E6)
YUV	114.2530, 57.0633, 37.4891
Hunter-Lab	41.5471, 57.8361, -80.2682

Details

The Yxy color **17.2616, 0.2445, 0.1389** 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 **62.9009, 0.3411, 0.5267**, and the grayscale version is **16.7302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4862, 0.2841, 0.1930**, and **5.6698, 0.2176, 0.0972** is the 20% darker color. If you saturate the color by 10%, you get **13.9050, 0.2323, 0.1185**, and if you desaturate by 10%, it is **21.8115, 0.2568, 0.1636**.

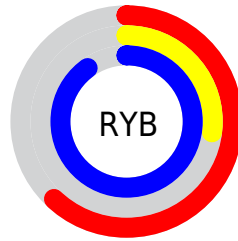
Distribution



Red (62%)

Green (27%)

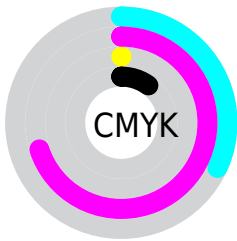
Blue (90%)



Red (62%)

Yellow (27%)

Blue (90%)

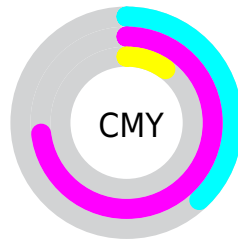


Cyan (32%)

Magenta (70%)

Yellow (0%)

Black (10%)



Cyan (38%)


Magenta (73%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2616, 0.2445, 0.1389 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 17.2616, 0.2445, 0.1389 by changing the saturation by 10% instead.


 17.2616, 0.2445,
0.1389


 17.2616, 0.2445,
0.1389


236.6754, 0.2855,
0.2286


 10.4212, 0.2327,
0.1196


 38.7750, 0.2607,
0.1695


 5.6791, 0.2171,
0.0970


 54.2168, 0.2664,
0.1816


 2.6509, 0.1958,
0.0711


 73.2945, 0.2711,
0.1921

 0.9523, 0.1664,
0.0428

 96.3925, 0.2750,
0.2013

 0.0000, 0.1276,
0.0000

 123.8952, 0.2783,
0.2094

 0.0000, 0.0585,
0.0000

156.1870, 0.2811,

 0.0000, 0.0000,

0.2166

0.0000

193.6523, 0.2835,
0.2229

■ 17.2616, 0.2445,
0.1389

■ 17.2616, 0.2445,
0.1389

■ 13.9050, 0.2323,
0.1185

■ 21.8115, 0.2568,
0.1636

■ 11.6039, 0.2208,
0.1034

■ 27.6677, 0.2687,
0.1911

■ 10.1367, 0.2102,
0.0933

■ 34.9317, 0.2798,
0.2202

■ 10.0829, 0.2098,
0.0929

■ 43.6943, 0.2899,
0.2495

■ 54.0383, 0.2988,
0.2780

66.0403, 0.3064,
0.3050

79.7721, 0.3130,
0.3300

95.3010, 0.3185,
0.3529

97.8329, 0.3251,
0.3533

Harmonies

Analogous

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



17.2616, 0.1390, 0.1167



17.2616, 0.2445, 0.1389



17.2616, 0.4168, 0.1920

Triad

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



17.2616, 0.2445, 0.1389



17.2616, 0.5538, 0.4462



17.2616, 0.0943, 0.3169

Complementary

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



17.2616, 0.2445, 0.1389



62.9009, 0.3411, 0.5267

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.



17.2616, 0.1687, 0.5570



17.2616, 0.2445, 0.1389



17.2616, 0.4269, 0.5731

Square

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



17.2616, 0.2445, 0.1389



17.2616, 0.6246, 0.3455



17.2616, 0.2899, 0.6630



17.2616, 0.0744, 0.1775

Rectangle

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



17.2616, 0.2445, 0.1389



17.2616, 0.5371, 0.2404



17.2616, 0.2899, 0.6630



17.2616, 0.1120, 0.3912

Sweetspot

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



17.2622, 0.2445, 0.1389



66.1208, 0.2975, 0.2737



27.1676, 0.2025, 0.2046



13.3508, 0.2951, 0.2659



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.



17.2622, 0.2445, 0.1389



15.9882, 0.2266, 0.1105



26.6277, 0.3256, 0.1792



14.2713, 0.3065, 0.3053



5.7795, 0.2114, 0.0938



0.4821, 0.2265, 0.1021

Inverse Universe

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



23.1904, 0.4356, 0.2539



24.6822, 0.4766, 0.2522



58.4326, 0.3006, 0.5469



14.4768, 0.3221, 0.3183



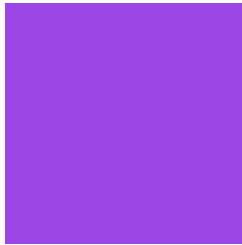
10.1249, 0.5139, 0.2605



0.7667, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 17.2616, 0.2445, 0.1389 looks on a white background.

Color Contrast Check

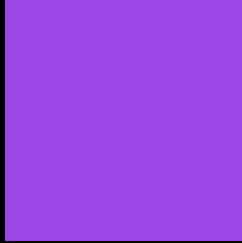
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2616, 0.2445, 0.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

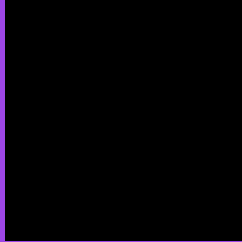
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2616, 0.2445, 0.1389

Background



This preview shows how black text looks on a background with the Yxy color 17.2616, 0.2445, 0.1389.



This preview shows how white text looks on a background with the Yxy color 17.2616, 0.2445, 0.1389.

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

17.2616, 0.2445, 0.1389

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.4131, 0.1838, 0.1817



Tritanopia

17.2203, 0.3410, 0.3145

Trichromacy



Original Color

17.2616, 0.2445, 0.1389



Protanomaly

15.1761, 0.1793, 0.1313



Deuteranomaly

15.0835, 0.1862, 0.1510



Tritanomaly

16.3690, 0.3004, 0.2277

Monochromacy



Original Color

17.2616, 0.2445, 0.1389



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8815, 0.2839, 0.2304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2616, 0.2445, 0.1389 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(157, 70, 230)` looks like.

```
.text, #text, p{  
  color:rgb(157, 70, 230)  
}
```

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(157, 70, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 70, 230) }
```

Border

The CSS property to change the border of an element to Yxy 17.2616, 0.2445, 0.1389 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(157, 70, 230) }
```

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

```
.border{ border-color:rgb(157, 70, 230) }
```

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

Here you see how a box with a 4 pixel rgb(157, 70, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 70, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 70, 230);  
box-shadow:4px 4px 4px 4px rgb(157, 70,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2616, 0.2445, 0.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 70, 230) }
```

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

```
.background{ background-color: rgb(157, 70,  
230) }
```

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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