

Converting Colors

$Yxy(16.7146, 0.3137, 0.2449)$

Have a look what the booklet for
Yxy(16.7146, 0.3137, 0.2449)
contains.

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Color

Yxy(16.7985, 0.3139, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	926194
RGB	146, 97, 148
RGB Percent	57%, 38%, 58%
CMY	0.4276, 0.6195, 0.4196
CMYK	0.01, 0.34, 0.00, 0.42
HSL	298°, 21%, 48%
HSV	298°, 34%, 58%
XYZ	21.4701, 16.7985, 30.1292
YIQ	117.4650, 12.8330, 26.2490

Conversions

Conversions Part 2

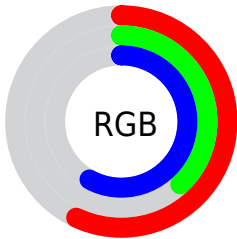
Format	Color
R_{YB}	146, 97, 148
Decimal	9593236
CIE _{Lab}	48.01, 28.63, -19.97
CIE _{LCh}	48, 34.906, 325.093
Yxy	16.7985, 0.3139, 0.2456
Android (android.graphics.Color)	4287783316 (0xFF926194)
YUV	117.4650, 15.0538, 25.0252
Hunter-Lab	40.9860, 21.7799, -14.8945

Details

The Yxy color **16.7985, 0.3139, 0.2456** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.7001, 0.3100, 0.4278**, and the grayscale version is **17.8907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8616, 0.3149, 0.2629**, and **5.4394, 0.3117, 0.2154** is the 20% darker color. If you saturate the color by 10%, you get **14.2600, 0.3140, 0.2225**, and if you desaturate by 10%, it is **19.8491, 0.3137, 0.2698**.

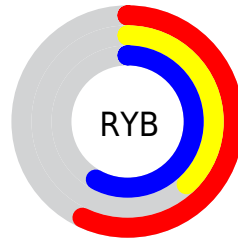
Distribution



Red (57%)

Green (38%)

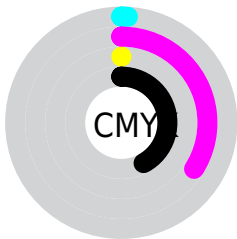
Blue (58%)



Red (57%)

Yellow (38%)

Blue (58%)

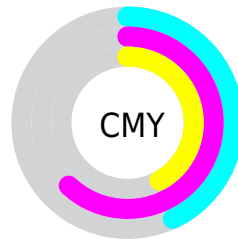


Cyan (1%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (43%)


Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7985, 0.3139, 0.2456 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 16.7985, 0.3139, 0.2456 by changing the saturation by 10% instead.


 16.7985, 0.3139,
0.2456

 16.7985, 0.3139,
0.2456

234.0085, 0.3143,
0.2913


 10.0909, 0.3133,
0.2327


 37.9790, 0.3144,
0.2633


 5.4593, 0.3120,
0.2153


 53.2207, 0.3145,
0.2696

 2.5192, 0.3093,
0.1906

 72.0760, 0.3145,
0.2748

 0.8862, 0.3030,
0.1532

 94.9291, 0.3145,
0.2792

 0.0000, 0.2949,
0.0000

122.1645, 0.3144,
0.2829

 0.0000, 0.0000,
0.0000

154.1666, 0.3144,

0.2861

191.3198, 0.3144,
0.2889

■ 16.7985, 0.3139,
0.2456

■ 16.7985, 0.3139,
0.2456

■ 14.2600, 0.3140,
0.2225

■ 19.8491, 0.3137,
0.2698

■ 12.2029, 0.3139,
0.2014

■ 23.4358, 0.3134,
0.2944

■ 10.5968, 0.3136,
0.1832


■ 27.5838, 0.3129,
0.3185

■ 9.4067, 0.3131,
0.1686


■ 32.3160, 0.3124,
0.3418

■ 8.5928, 0.3124,
0.1581

■ 37.6541, 0.3119,
0.3637


 8.1051, 0.3116,
0.1516

 43.6186, 0.3114,
0.3841

 7.8976, 0.3111,
0.1488

 50.2291, 0.3108,
0.4030

 57.5043, 0.3103,
0.4202

 65.4622, 0.3098,
0.4359

Harmonies

Analogous

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



16.7985, 0.2510, 0.2257



16.7985, 0.3139, 0.2456



16.7985, 0.3837, 0.2827

Triad

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



16.7985, 0.3139, 0.2456



16.7985, 0.4211, 0.4289



16.7985, 0.2031, 0.3079

Complementary

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



16.7985, 0.3139, 0.2456



24.7001, 0.3100, 0.4278

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.



16.7985, 0.2406, 0.3792



16.7985, 0.3139, 0.2456



16.7985, 0.3660, 0.4543

Square

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



16.7985, 0.3139, 0.2456



16.7985, 0.4484, 0.3825



16.7985, 0.2998, 0.4381



16.7985, 0.1929, 0.2542

Rectangle

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



16.7985, 0.3139, 0.2456



16.7985, 0.4218, 0.3140



16.7985, 0.2998, 0.4381



16.7985, 0.2126, 0.3307

Sweetspot

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



16.7992, 0.3139, 0.2456



44.3352, 0.3132, 0.3047



13.7123, 0.2533, 0.2348



9.9116, 0.3132, 0.3016



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.7992, 0.3139, 0.2456



26.2533, 0.3140, 0.2284



16.3313, 0.3480, 0.2814



5.8975, 0.3131, 0.3071



6.7483, 0.3112, 0.1488



0.0855, 0.3164, 0.1517

Inverse Universe

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



15.7510, 0.3876, 0.3257



24.1430, 0.4117, 0.3250



25.0786, 0.2883, 0.3824



5.8189, 0.3276, 0.3282



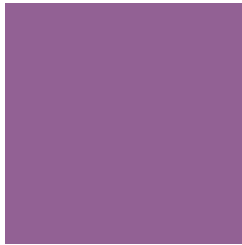
5.3898, 0.6341, 0.3267



0.0667, 0.6061, 0.3112

Previews

White Background



This preview shows how the Yxy color 16.7985, 0.3139, 0.2456 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 16.7985, 0.3139, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

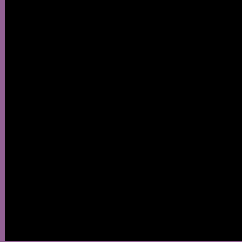
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7985, 0.3139, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 16.7985, 0.3139, 0.2456.



This preview shows how white text looks on a background with the Yxy color 16.7985, 0.3139, 0.2456.

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

16.7985, 0.3139, 0.2456

Protanopia

17.0576, 0.2494, 0.2430

Deuteranopia

16.8839, 0.2722, 0.2670



Tritanopia

16.7332, 0.3548, 0.3148

Trichromacy



Original Color

16.7985, 0.3139, 0.2456

Protanomaly

16.6976, 0.2695, 0.2420

Deuteranomaly

16.7283, 0.2857, 0.2588

Tritanomaly

16.6277, 0.3400, 0.2873

Monochromacy



Original Color

16.7985, 0.3139, 0.2456

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2996, 0.3143, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7985, 0.3139, 0.2456 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(146, 97, 148)` looks like.

```
.text, #text, p{  
    color:rgb(146, 97, 148)  
}
```

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(146, 97, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 97, 148) }
```

Border

The CSS property to change the border of an element to Yxy 16.7985, 0.3139, 0.2456 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(146, 97, 148) }
```

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

```
.border{ border-color:rgb(146, 97, 148) }
```

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

Here you see how a box with a 4 pixel rgb(146, 97, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 97, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 97, 148);  
box-shadow:4px 4px 4px 4px rgb(146, 97,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7985, 0.3139, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 97, 148) }
```

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

```
.background{ background-color: rgb(146, 97,  
148) }
```

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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