

Converting Colors

$Y_{xy}(17.5475, 0.3340, 0.2535)$

Have a look what the booklet for
Yxy(17.5475, 0.3340, 0.2535)
contains.

Yxy(17.5475, 0.3340, 0.2535)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5475, 0.3340, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	9D6090
RGB	157, 96, 144
RGB Percent	62%, 38%, 56%
CMY	0.3844, 0.6235, 0.4353
CMYK	0.00, 0.39, 0.08, 0.38
HSL	313°, 24%, 50%
HSV	313°, 39%, 62%
XYZ	23.1198, 17.5475, 28.5536
YIQ	119.7110, 20.9480, 27.8600

Conversions

Conversions Part 2

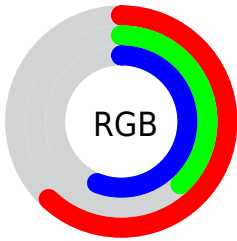
Format	Color
R_{YB}	157, 96, 144
Decimal	10313872
CIE _{Lab}	48.94, 32.19, -16.05
CIE _{LCh}	49, 35.970, 333.507
Yxy	17.5475, 0.3340, 0.2535
Android (android.graphics.Color)	4288503952 (0xFF9D6090)
YUV	119.7110, 11.9745, 32.7025
Hunter-Lab	41.8897, 25.2107, -11.0915

Details

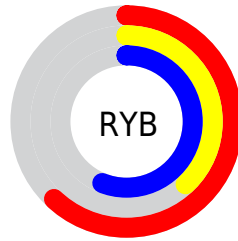
The Yxy color **17.5475, 0.3340, 0.2535** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.7017, 0.2970, 0.4189**, and the grayscale version is **18.6421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4032, 0.3300, 0.2697**, and **5.7842, 0.3393, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **14.8629, 0.3412, 0.2350**, and if you desaturate by 10%, it is **20.8087, 0.3275, 0.2730**.

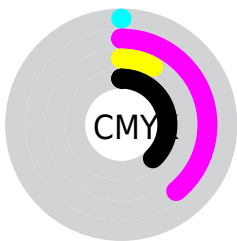
Distribution



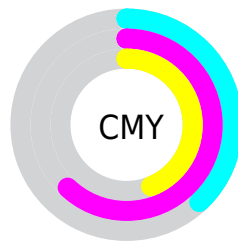
- Red (62%)
- Green (38%)
- Blue (56%)



- Red (62%)
- Yellow (38%)
- Blue (56%)



- Cyan (0%)
- Magenta (39%)
- Yellow (8%)
- Black (38%)





- Cyan (38%)
- Magenta (62%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5475, 0.3340, 0.2535 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 17.5475, 0.3340, 0.2535 by changing the saturation by 10% instead.


 17.5475, 0.3340,
0.2535


 17.5475, 0.3340,
0.2535


238.3080, 0.3227,
0.2948


 10.6256, 0.3370,
0.2419


 39.2648, 0.3298,
0.2695


 5.8157, 0.3409,
0.2261


 54.8289, 0.3282,
0.2752

 2.7333, 0.3461,
0.2036

 74.0426, 0.3269,
0.2799

 0.9941, 0.3532,
0.1694

 97.2902, 0.3258,
0.2838

 0.0000, 0.4041,
0.0000

124.9562, 0.3249,
0.2872

 0.0000, 0.0000,
0.0000

157.4249, 0.3241,

0.2901

195.0807, 0.3234,
0.2926

■ 17.5475, 0.3340,
0.2535

■ 17.5475, 0.3340,
0.2535

■ 14.8629, 0.3412,
0.2350

■ 20.8087, 0.3275,
0.2730

■ 12.7184, 0.3490,
0.2185

■ 24.6757, 0.3217,
0.2928

■ 11.0767, 0.3571,
0.2050


■ 29.1783, 0.3166,
0.3124


■ 9.8952, 0.3654,
0.1952


■ 34.3439, 0.3122,
0.3311


■ 9.1237, 0.3736,
0.1898

■ 40.1980, 0.3085,
0.3489


 8.6600, 0.3816,
0.1882

 46.7650, 0.3053,
0.3655

 8.6108, 0.3825,
0.1881

 54.0681, 0.3026,
0.3809

 62.1292, 0.3004,
0.3950

 70.9695, 0.2985,
0.4080

Harmonies

Analogous

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



17.5475, 0.2661, 0.2280



17.5475, 0.3340, 0.2535



17.5475, 0.4026, 0.2949

Triad

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



17.5475, 0.3340, 0.2535



17.5475, 0.4090, 0.4406



17.5475, 0.1959, 0.2896

Complementary

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



17.5475, 0.3340, 0.2535



27.7017, 0.2970, 0.4189

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.



17.5475, 0.2262, 0.3592



17.5475, 0.3340, 0.2535



17.5475, 0.3481, 0.4567

Square

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



17.5475, 0.3340, 0.2535



17.5475, 0.4463, 0.3973



17.5475, 0.2811, 0.4267



17.5475, 0.1933, 0.2427

Rectangle

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



17.5475, 0.3340, 0.2535



17.5475, 0.4354, 0.3280



17.5475, 0.2811, 0.4267



17.5475, 0.2029, 0.3110

Sweetspot

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



17.5483, 0.3340, 0.2535



49.4000, 0.3183, 0.3058



14.0028, 0.2566, 0.2181



10.6584, 0.3188, 0.3035



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



17.5483, 0.3340, 0.2535



27.0308, 0.3405, 0.2367



16.7565, 0.3773, 0.2991



6.7304, 0.3168, 0.3116



7.0002, 0.3819, 0.1878



0.1307, 0.3536, 0.1721

Inverse Universe

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



17.5483, 0.3340, 0.2535



27.0308, 0.3405, 0.2367



28.4528, 0.2736, 0.3618



6.7304, 0.3168, 0.3116



7.0002, 0.3819, 0.1878



0.1307, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 17.5475, 0.3340, 0.2535 looks on a white background.

Color Contrast Check

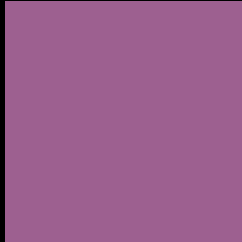
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5475, 0.3340, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

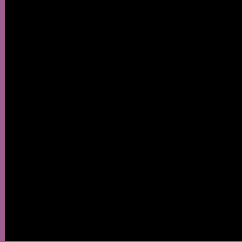
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5475, 0.3340, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 17.5475, 0.3340, 0.2535.



This preview shows how white text looks on a background with the Yxy color 17.5475, 0.3340, 0.2535.

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

17.5475, 0.3340, 0.2535

Protanopia

17.6731, 0.2555, 0.2507

Deuteranopia

17.6707, 0.2845, 0.2789



Tritanopia

17.6205, 0.3737, 0.3157

Trichromacy



Original Color

17.5475, 0.3340, 0.2535

Protanomaly

17.2360, 0.2796, 0.2499

Deuteranomaly

17.2937, 0.3014, 0.2673

Tritanomaly

17.4144, 0.3586, 0.2910

Monochromacy



Original Color

17.5475, 0.3340, 0.2535

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9404, 0.3195, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5475, 0.3340, 0.2535 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, 96, 144)` looks like.

```
.text, #text, p{  
    color:rgb(157, 96, 144)  
}
```

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, 96, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 96, 144) }
```

Border

The CSS property to change the border of an element to Yxy 17.5475, 0.3340, 0.2535 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, 96, 144) }
```

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

```
.border{ border-color:rgb(157, 96, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 96, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 96, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 96, 144);  
box-shadow:4px 4px 4px 4px rgb(157, 96,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5475, 0.3340, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 96, 144) }
```

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

```
.background{ background-color: rgb(157, 96,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor