

Converting Colors

$Y_{xy}(17.9015, 0.3133, 0.2436)$

Have a look what the booklet for
Yxy(17.9015, 0.3133, 0.2436)
contains.

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Color

Yxy(17.9936, 0.3141, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	976499
RGB	151, 100, 153
RGB Percent	59%, 39%, 60%
CMY	0.4078, 0.6078, 0.4001
CMYK	0.01, 0.35, 0.00, 0.40
HSL	298°, 21%, 50%
HSV	298°, 35%, 60%
XYZ	23.0685, 17.9936, 32.3811
YIQ	121.2910, 13.3830, 27.2950

Conversions

Conversions Part 2

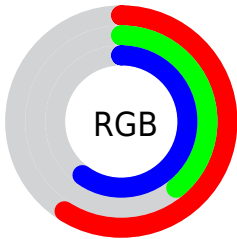
Format	Color
R_{YB}	151, 100, 153
Decimal	9921689
CIE _{Lab}	49.49, 29.61, -20.59
CIE _{LCh}	49, 36.063, 325.190
Yxy	17.9936, 0.3141, 0.2450
Android (android.graphics.Color)	4288111769 (0xFF976499)
YUV	121.2910, 15.6325, 26.0548
Hunter-Lab	42.4189, 22.8401, -15.5668




Details

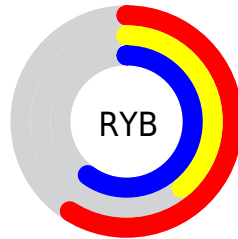
The Yxy color **17.9936, 0.3141, 0.2450** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.5158, 0.3099, 0.4288**, and the grayscale version is **19.1652, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.0833, 0.3149, 0.2632**, and **6.0679, 0.3120, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **15.2761, 0.3142, 0.2219**, and if you desaturate by 10%, it is **21.2639, 0.3138, 0.2693**.

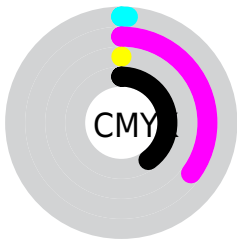
Distribution







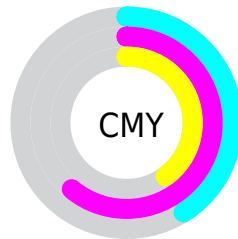
-  Red (59%)
-  Green (39%)
-  Blue (60%)






-  Red (59%)
-  Yellow (39%)
-  Blue (60%)



-  Cyan (1%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (40%)





-  Cyan (41%)
-  Magenta (61%)
-  Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9936, 0.3141, 0.2450 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 17.9936, 0.3141, 0.2450 by changing the saturation by 10% instead.


 17.9936, 0.3141,
0.2450


 17.9936, 0.3141,
0.2450


240.8350, 0.3144,
0.2906


 10.9454, 0.3135,
0.2324


 40.0264, 0.3145,
0.2624


 6.0301, 0.3123,
0.2155


 55.7798, 0.3146,
0.2687

 2.8634, 0.3099,
0.1917

 75.2037, 0.3146,
0.2739

 1.0608, 0.3042,
0.1564

 98.6826, 0.3146,
0.2783

 0.0000, 0.3173,
0.0000

126.6007, 0.3146,
0.2821

 0.0000, 0.0000,
0.0000

159.3426, 0.3145,

0.2853

197.2925, 0.3145,
0.2881

■ 17.9936, 0.3141,
0.2450

■ 17.9936, 0.3141,
0.2450

■ 15.2761, 0.3142,
0.2219

■ 21.2639, 0.3138,
0.2693

■ 13.0782, 0.3142,
0.2009

■ 25.1131, 0.3134,
0.2939

■ 11.3666, 0.3140,
0.1828

■ 29.5686, 0.3130,
0.3181

■ 10.1034, 0.3136,
0.1684

■ 34.6553, 0.3124,
0.3414

■ 9.2449, 0.3130,
0.1580

■ 40.3966, 0.3119,
0.3634

■ 8.7370, 0.3122,
0.1517

■ 46.8149, 0.3113,
0.3840

■ 8.5302, 0.3118,
0.1491

■ 53.9314, 0.3107,
0.4029

■ 61.7664, 0.3101,
0.4202

■ 70.3394, 0.3096,
0.4359

Harmonies

Analogous

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



17.9936, 0.2506, 0.2249



17.9936, 0.3141, 0.2450



17.9936, 0.3846, 0.2825

Triad

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



17.9936, 0.3141, 0.2450



17.9936, 0.4218, 0.4299



17.9936, 0.2021, 0.3074

Complementary

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



17.9936, 0.3141, 0.2450



26.5158, 0.3099, 0.4288

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.



17.9936, 0.2397, 0.3795



17.9936, 0.3141, 0.2450



17.9936, 0.3661, 0.4556

Square

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



17.9936, 0.3141, 0.2450



17.9936, 0.4496, 0.3830



17.9936, 0.2994, 0.4392



17.9936, 0.1919, 0.2534

Rectangle

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



17.9936, 0.3141, 0.2450



17.9936, 0.4230, 0.3140



17.9936, 0.2994, 0.4392



17.9936, 0.2116, 0.3304

Sweetspot

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



17.9944, 0.3141, 0.2450



48.3911, 0.3132, 0.3047



14.6402, 0.2528, 0.2340



10.4628, 0.3133, 0.3015



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.9944, 0.3141, 0.2450



28.1729, 0.3142, 0.2259



17.4733, 0.3483, 0.2810



6.3120, 0.3132, 0.3070



7.0564, 0.3119, 0.1492



0.1086, 0.3162, 0.1516

Inverse Universe

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



16.8434, 0.3886, 0.3259



25.7915, 0.4160, 0.3252



26.9335, 0.2881, 0.3829



6.2262, 0.3278, 0.3282



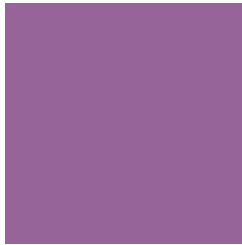
5.6086, 0.6347, 0.3270



0.0847, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 17.9936, 0.3141, 0.2450 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 17.9936, 0.3141, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

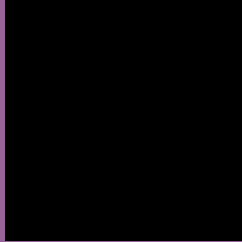
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9936, 0.3141, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 17.9936, 0.3141, 0.2450.



This preview shows how white text looks on a background with the Yxy color 17.9936, 0.3141, 0.2450.

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

17.9936, 0.3141, 0.2450

Protanopia

18.0910, 0.2490, 0.2418

Deuteranopia

18.2035, 0.2723, 0.2671



Tritanopia

18.0971, 0.3548, 0.3152

Trichromacy



Original Color

17.9936, 0.3141, 0.2450

Protanomaly

17.7181, 0.2685, 0.2408

Deuteranomaly

17.8983, 0.2866, 0.2575

Tritanomaly

17.9840, 0.3405, 0.2885

Monochromacy



Original Color

17.9936, 0.3141, 0.2450

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4092, 0.3131, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9936, 0.3141, 0.2450 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(151, 100, 153)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 153)  
}
```

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(151, 100, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 153) }
```

Border

The CSS property to change the border of an element to Yxy 17.9936, 0.3141, 0.2450 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(151, 100, 153) }
```

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

```
.border{ border-color:rgb(151, 100, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 100, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 100, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 100, 153); box-shadow:4px 4px 4px 4px rgb(151, 100, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9936, 0.3141, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 153) }
```

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

```
.background{ background-color: rgb(151,  
100, 153) }
```

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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