

# Converting Colors

$Y_{xy}(17.9281, 0.3265, 0.2394)$

Have a look what the booklet for  
Yxy(17.9281, 0.3265, 0.2394)  
contains.

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**Color**

**Yxy(17.8824, 0.3276, 0.2396)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A15E99
RGB	161, 94, 153
RGB Percent	63%, 37%, 60%
CMY	0.3686, 0.6314, 0.4000
CMYK	0.00, 0.42, 0.05, 0.37
HSL	307°, 26%, 50%
HSV	307°, 42%, 63%
XYZ	24.4502, 17.8824, 32.3018
YIQ	120.7590, 20.9930, 32.5530

# Conversions

## Conversions Part 2

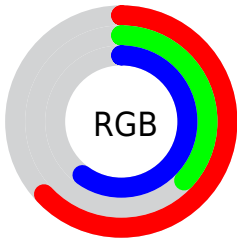
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 94, 153
Decimal	10575513
CIE <sub>Lab</sub>	49.35, 36.30, -20.71
CIE <sub>LCh</sub>	49, 41.792, 330.293
Yxy	17.8824, 0.3276, 0.2396
Android (android.graphics.Color)	4288765593 (0xFFA15E99)
YUV	120.7590, 15.8948, 35.2914
Hunter-Lab	42.2876, 29.2035, -15.6879

# Details

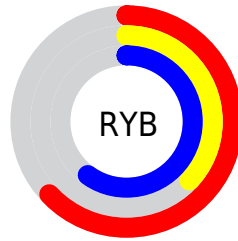
The Yxy color **17.8824, 0.3276, 0.2396** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.8282, 0.3008, 0.4389**, and the grayscale version is **18.9821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8145, 0.3256, 0.2585**, and **6.0242, 0.3309, 0.2093** is the 20% darker color. If you saturate the color by 10%, you get **15.2493, 0.3320, 0.2200**, and if you desaturate by 10%, it is **21.1154, 0.3235, 0.2607**.

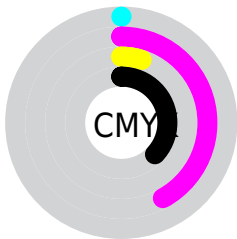
# Distribution



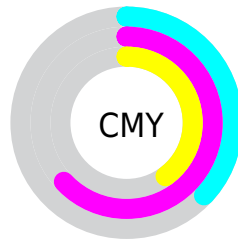
- Red (63%)
- Green (37%)
- Blue (60%)



- Red (63%)
- Yellow (37%)
- Blue (60%)



- Cyan (0%)
- Magenta (42%)
- Yellow (5%)
- Black (37%)




- Cyan (37%)
- Magenta (63%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8824, 0.3276, 0.2396 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 17.8824, 0.3276, 0.2396 by changing the saturation by 10% instead.





 17.8824, 0.3276,  
0.2396


 17.8824, 0.3276,  
0.2396


240.2074, 0.3205,  
0.2878


 10.8656, 0.3292,  
0.2264

 39.8368, 0.3251,  
0.2579


 5.9765, 0.3309,  
0.2089


 55.5433, 0.3242,  
0.2646

 2.8308, 0.3327,  
0.1844

 74.9150, 0.3233,  
0.2701

 1.0441, 0.3338,  
0.1485

 98.3364, 0.3226,  
0.2747

 0.0000, 0.3640,  
0.0000

126.1920, 0.3220,  
0.2787

 0.0000, 0.0000,  
0.0000

158.8661, 0.3214,

0.2821

196.7431, 0.3209,  
0.2851

■ 17.8824, 0.3276,  
0.2396

■ 17.8824, 0.3276,  
0.2396

■ 15.2493, 0.3320,  
0.2200

■ 21.1154, 0.3235,  
0.2607

■ 13.1761, 0.3365,  
0.2030

■ 24.9800, 0.3197,  
0.2826

■ 11.6221, 0.3411,  
0.1892


■ 29.5087, 0.3162,  
0.3044

■ 10.5398, 0.3456,  
0.1795

■ 34.7309, 0.3132,  
0.3257


■ 9.8731, 0.3498,  
0.1741


■ 40.6744, 0.3105,  
0.3459

 9.5235, 0.3531,  
0.1719

 47.3654, 0.3082,  
0.3650

 54.8287, 0.3062,  
0.3827

 63.0882, 0.3045,  
0.3991

 72.1665, 0.3030,  
0.4140

# Harmonies

## Analogous

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



17.8824, 0.2519, 0.2134



17.8824, 0.3276, 0.2396



17.8824, 0.4087, 0.2839

# Triad

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



17.8824, 0.3276, 0.2396



17.8824, 0.4273, 0.4506



17.8824, 0.1825, 0.2897

# Complementary

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



17.8824, 0.3276, 0.2396



28.8282, 0.3008, 0.4389

# 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.



17.8824, 0.2189, 0.3728



17.8824, 0.3276, 0.2396



17.8824, 0.3593, 0.4774

# Square

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



17.8824, 0.3276, 0.2396



17.8824, 0.4675, 0.3976



17.8824, 0.2830, 0.4504



17.8824, 0.1769, 0.2341



# Rectangle

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



17.8824, 0.3276, 0.2396



17.8824, 0.4495, 0.3200



17.8824, 0.2830, 0.4504



17.8824, 0.1912, 0.3153

# Sweetspot

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



17.8832, 0.3276, 0.2396



52.3156, 0.3164, 0.3031



13.3938, 0.2455, 0.2068



11.2491, 0.3168, 0.3005



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



17.8832, 0.3276, 0.2396



27.5957, 0.3317, 0.2213



16.9316, 0.3755, 0.2881



7.1876, 0.3155, 0.3094



7.6103, 0.3528, 0.1717



0.1637, 0.3398, 0.1646



# Inverse Universe

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



17.8832, 0.3276, 0.2396



27.5957, 0.3317, 0.2213



29.6271, 0.2754, 0.3751



7.1876, 0.3155, 0.3094



7.6103, 0.3528, 0.1717

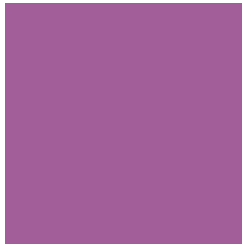


0.1637, 0.3398, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 17.8824, 0.3276, 0.2396 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 17.8824, 0.3276, 0.2396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

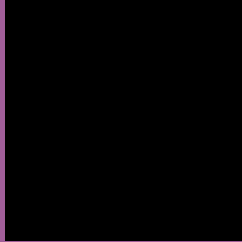
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 17.8824, 0.3276, 0.2396**

## Background



This preview shows how black text looks on a background with the Yxy color 17.8824, 0.3276, 0.2396.



This preview shows how white text looks on a background with the Yxy color 17.8824, 0.3276, 0.2396.

# 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

17.8824, 0.3276, 0.2396

### Protanopia

18.1024, 0.2424, 0.2339

### Deuteranopia

18.1714, 0.2733, 0.2687



## Tritanopia

17.9161, 0.3779, 0.3159

# Trichromacy



## Original Color

17.8824, 0.3276, 0.2396

## Protanomaly

17.5430, 0.2676, 0.2337

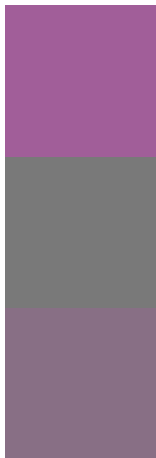
## Deuteranomaly

17.6730, 0.2911, 0.2563

## Tritanomaly

17.8898, 0.3598, 0.2870

# Monochromacy



## Original Color

17.8824, 0.3276, 0.2396

## Achromatopsia

19.1202, 0.3127, 0.3290

## Achromatomaly

18.2966, 0.3184, 0.2903

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.8824, 0.3276, 0.2396 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(161, 94, 153)` looks like.

```
.text, #text, p{  
    color:rgb(161, 94, 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(161, 94, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 94, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 17.8824, 0.3276, 0.2396 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(161, 94, 153) }
```

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

```
.border{ border-color:rgb(161, 94, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 94, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 94, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 94, 153); box-shadow:4px 4px 4px 4px rgb(161, 94, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.8824, 0.3276, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 94, 153) }
```

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

```
.background{ background-color: rgb(161, 94,  
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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