

# Converting Colors

$Y_{xy}(36.3950, 0.2679, 0.2282)$

Have a look what the booklet for  
Yxy(36.3950, 0.2679, 0.2282)  
contains.

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# Color

**Yxy(36.2631, 0.2677, 0.2277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE95E7
RGB	174, 149, 231
RGB Percent	68%, 58%, 91%
CMY	0.3175, 0.4157, 0.0941
CMYK	0.25, 0.36, 0.00, 0.09
HSL	258°, 63%, 75%
HSV	258°, 36%, 91%
XYZ	42.6334, 36.2631, 80.3617
YIQ	165.8230, -11.4220, 30.8020

# Conversions

## Conversions Part 2

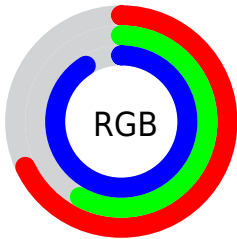
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 149, 231
Decimal	11441639
CIELab	66.72, 26.19, -38.12
CIELCh	67, 46.250, 304.489
Yxy	36.2631, 0.2677, 0.2277
Android (android.graphics.Color)	4289631719 (0xFFAE95E7)
YUV	165.8230, 32.1323, 7.1712
Hunter-Lab	60.2189, 20.9905, -36.9690

# Details

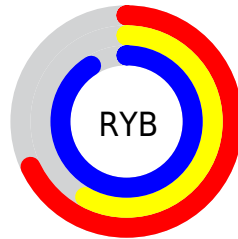
The Yxy color **36.2631, 0.2677, 0.2277** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.4448, 0.3473, 0.4232**, and the grayscale version is **37.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9208, 0.2978, 0.2754**, and **15.8236, 0.2537, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **27.9313, 0.2515, 0.1953**, and if you desaturate by 10%, it is **46.2676, 0.2825, 0.2591**.

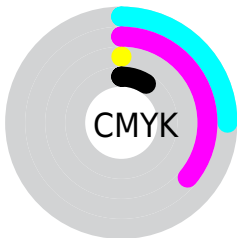
# Distribution



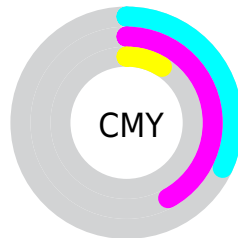
- Red (68%)
- Green (58%)
- Blue (91%)



- Red (68%)
- Yellow (58%)
- Blue (91%)



- Cyan (25%)
- Magenta (36%)
- Yellow (0%)
- Black (9%)




- Cyan (32%)
- Magenta (42%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2631, 0.2677, 0.2277 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 36.2631, 0.2677, 0.2277 by changing the saturation by 10% instead.





 36.2631, 0.2677,  
0.2277


 36.2631, 0.2677,  
0.2277


330.1090, 0.2915,  
0.2765

 24.6375, 0.2615,  
0.2163


 69.4380, 0.2766,  
0.2449

 15.8072, 0.2535,  
0.2021


 91.7560, 0.2798,  
0.2515

 9.3878, 0.2427,  
0.1841


118.4069, 0.2826,  
0.2572

 4.9950, 0.2277,  
0.1607

149.7751, 0.2849,  
0.2621

 2.2443, 0.2056,  
0.1297

186.2451, 0.2869,  
0.2664

 0.7440, 0.1714,  
0.0877

228.2011, 0.2886,


 0.0000, 0.0908,


0.2701


0.0000

276.0276, 0.2901,  
0.2735

 0.0000, 0.0000,  
0.0000


 36.2631, 0.2677,  
0.2277


 36.2631, 0.2677,  
0.2277

 27.9313, 0.2515,  
0.1953


 46.2676, 0.2825,  
0.2591


 21.1740, 0.2344,  
0.1633


 58.0269, 0.2956,  
0.2884

 15.8892, 0.2172,  
0.1335

 71.6227, 0.3071,  
0.3153

 11.9608, 0.2007,  
0.1078

 87.1304, 0.3170,  
0.3396

 9.2541, 0.1861,  
0.0880

 98.4122, 0.3263,  
0.3523

■ 7.6049, 0.1741,  
0.0750

■ 98.5502, 0.3268,  
0.3522

■ 7.0925, 0.1696,  
0.0708

# Harmonies

## Analogous

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



36.2631, 0.2176, 0.2221



36.2631, 0.2677, 0.2277



36.2631, 0.3366, 0.2540

# Triad

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



36.2631, 0.2677, 0.2277



36.2631, 0.4468, 0.3993



36.2631, 0.2240, 0.3570

# Complementary

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



36.2631, 0.2677, 0.2277



72.4448, 0.3473, 0.4232

# 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.



36.2631, 0.2787, 0.4260



36.2631, 0.2677, 0.2277



36.2631, 0.4080, 0.4426

# Square

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



36.2631, 0.2677, 0.2277



36.2631, 0.4474, 0.3470



36.2631, 0.3461, 0.4578



36.2631, 0.1944, 0.2871



# Rectangle

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



36.2631, 0.2677, 0.2277



36.2631, 0.3841, 0.2807



36.2631, 0.3461, 0.4578



36.2631, 0.2398, 0.3820

# Sweetspot

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



36.2645, 0.2677, 0.2277



79.8808, 0.3009, 0.3007



56.4966, 0.2586, 0.2983



16.6100, 0.2993, 0.2970



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.



36.2645, 0.2677, 0.2277



37.1416, 0.2553, 0.2027



41.6495, 0.3023, 0.2372



14.0995, 0.3028, 0.3050



4.0328, 0.1711, 0.0716



0.3455, 0.1867, 0.0802



# Inverse Universe

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



42.9370, 0.3395, 0.2658



46.8660, 0.3473, 0.2522



67.3696, 0.3184, 0.4324



14.5363, 0.3184, 0.3128



10.9793, 0.4163, 0.2067

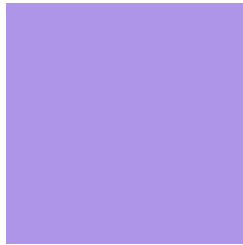


0.8277, 0.3990, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 36.2631, 0.2677, 0.2277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

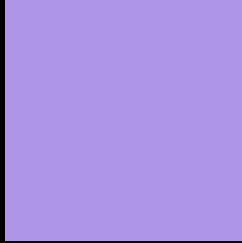
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.2631, 0.2677, 0.2277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

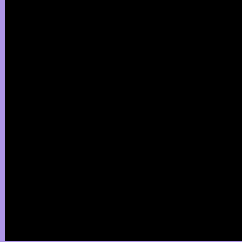
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.2631, 0.2677, 0.2277**

## Background



This preview shows how black text looks on a background with the Yxy color 36.2631, 0.2677, 0.2277.



This preview shows how white text looks on a background with the Yxy color 36.2631, 0.2677, 0.2277.

# 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

36.2631, 0.2677, 0.2277

### Protanopia

36.6671, 0.2365, 0.2255

### Deuteranopia

36.6358, 0.2447, 0.2388



## Tritanopia

36.2934, 0.3042, 0.3119

# Trichromacy



## Original Color

36.2631, 0.2677, 0.2277

## Protanomaly

36.3754, 0.2466, 0.2257

## Deuteranomaly

36.5025, 0.2525, 0.2345

## Tritanomaly

36.2245, 0.2902, 0.2787

# Monochromacy



## Original Color

36.2631, 0.2677, 0.2277

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.2943, 0.2954, 0.2882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2631, 0.2677, 0.2277 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(174, 149, 231)` looks like.

```
.text, #text, p{  
    color:rgb(174, 149, 231)  
}
```

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(174, 149, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 149, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2631, 0.2677, 0.2277 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(174, 149, 231) }
```

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

```
.border{ border-color:rgb(174, 149, 231) }
```

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

Here you see how a box with a 4 pixel rgb(174, 149, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 149, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 149, 231);  
box-shadow:4px 4px 4px 4px rgb(174, 149,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.2631, 0.2677, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 149, 231) }
```

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

```
.background{ background-color: rgb(174,  
149, 231) }
```

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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