

Converting Colors

$Y_{xy}(34.9230, 0.2472, 0.2196)$

Have a look what the booklet for
Yxy(34.9230, 0.2472, 0.2196)
contains.

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Color

Yxy(34.9230, 0.2472, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	9897ED
RGB	152, 151, 237
RGB Percent	60%, 59%, 93%
CMY	0.4036, 0.4079, 0.0706
CMYK	0.36, 0.36, 0.00, 0.07
HSL	241°, 71%, 76%
HSV	241°, 36%, 93%
XYZ	39.3122, 34.9230, 84.7948
YIQ	161.1030, -27.0100, 26.9580

Conversions

Conversions Part 2

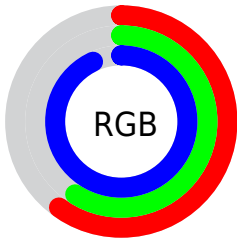
Format	Color
R _Y B	152, 151, 237
Decimal	10000365
CIE Lab	65.69, 20.43, -43.16
CIE LCh	66, 47.754, 295.327
Yxy	34.9230, 0.2472, 0.2196
Android (android.graphics.Color)	4288190445 (0xFF9897ED)
YUV	161.1030, 37.4172, -7.9833
Hunter-Lab	59.0957, 15.3261, -43.7067

Details

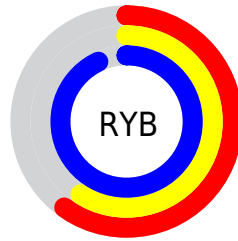
The Yxy color **34.9230, 0.2472, 0.2196** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.6245, 0.3665, 0.4195**, and the grayscale version is **35.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4380, 0.2826, 0.2752**, and **14.9919, 0.2271, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **26.0076, 0.2257, 0.1839**, and if you desaturate by 10%, it is **45.8196, 0.2677, 0.2537**.

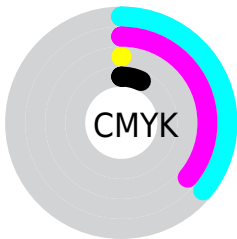
Distribution



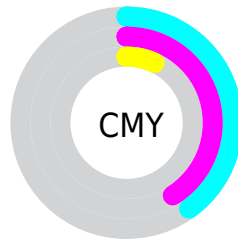
- Red (60%)
- Green (59%)
- Blue (93%)



- Red (60%)
- Yellow (59%)
- Blue (93%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9230, 0.2472, 0.2196 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 34.9230, 0.2472, 0.2196 by changing the saturation by 10% instead.

■ 34.9230, 0.2472,
0.2196

■ 34.9230, 0.2472,
0.2196

■ 324.2283, 0.2811,
0.2725

■ 23.6036, 0.2386,
0.2072

■ 67.3665, 0.2596,
0.2383

■ 15.0398, 0.2277,
0.1919

■ 89.2593, 0.2643,
0.2455

■ 8.8473, 0.2133,
0.1725

■ 115.4454, 0.2682,
0.2516

■ 4.6417, 0.1937,
0.1476

■ 146.3091, 0.2715,
0.2569

■ 2.0386, 0.1662,
0.1151

■ 182.2348, 0.2744,
0.2616

■ 0.6298, 0.1267,
0.0710

■ 223.6070, 0.2769,

■ 0.0000, 0.0129,

0.2657

0.0000

270.8101, 0.2791,
0.2693

0.0000, 0.0000,
0.0000

34.9230, 0.2472,
0.2196

34.9230, 0.2472,
0.2196

26.0076, 0.2257,
0.1839

45.8196, 0.2677,
0.2537

18.9509, 0.2045,
0.1487

58.8025, 0.2865,
0.2851

13.6227, 0.1850,
0.1166

73.9738, 0.3032,
0.3131

9.8744, 0.1689,
0.0902

91.4280, 0.3179,
0.3377

7.5324, 0.1576,
0.0719

98.8949, 0.3232,
0.3464

■ 6.3812, 0.1516,
0.0623

■ 6.1343, 0.1503,
0.0602

Harmonies

Analogous

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



34.9230, 0.2031, 0.2209



34.9230, 0.2472, 0.2196



34.9230, 0.3143, 0.2408

Triad

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



34.9230, 0.2472, 0.2196



34.9230, 0.4575, 0.3852



34.9230, 0.2350, 0.3823

Complementary

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



34.9230, 0.2472, 0.2196



80.6245, 0.3665, 0.4195

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.



34.9230, 0.2977, 0.4466



34.9230, 0.2472, 0.2196



34.9230, 0.4274, 0.4351

Square

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



34.9230, 0.2472, 0.2196



34.9230, 0.4445, 0.3306



34.9230, 0.3682, 0.4635



34.9230, 0.1959, 0.3052

Rectangle

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



34.9230, 0.2472, 0.2196



34.9230, 0.3649, 0.2653



34.9230, 0.3682, 0.4635



34.9230, 0.2539, 0.4073

Sweetspot

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



34.9243, 0.2472, 0.2196



78.5117, 0.2956, 0.3003



73.2651, 0.2618, 0.3289



16.2862, 0.2933, 0.2964



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.



34.9243, 0.2472, 0.2196



32.7548, 0.2303, 0.1916



39.7102, 0.2800, 0.2288



14.5581, 0.2982, 0.3046



3.3531, 0.1504, 0.0602



0.2665, 0.1515, 0.0608

Inverse Universe

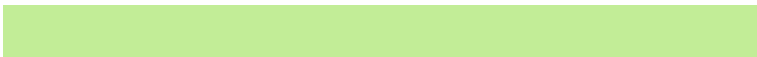
The Inverse Universe completely reimagines the original color for something new.



46.1837, 0.3179, 0.2402



47.9733, 0.3190, 0.2222



74.2751, 0.3361, 0.4295



15.3103, 0.3140, 0.3061



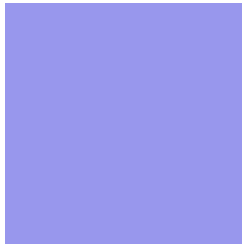
13.0742, 0.3241, 0.1559



1.0277, 0.3236, 0.1557

Previews

White Background



This preview shows how the Yxy color 34.9230, 0.2472, 0.2196 looks on a white background.

Color Contrast Check

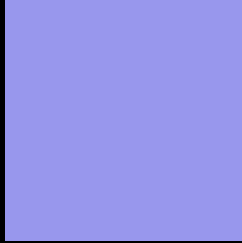
Large Text (above 18pt) WCAG AA × Fail

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 34.9230, 0.2472, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

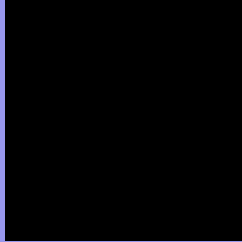
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9230, 0.2472, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 34.9230, 0.2472, 0.2196.



This preview shows how white text looks on a background with the Yxy color 34.9230, 0.2472, 0.2196.

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

34.9230, 0.2472, 0.2196

Protanopia

35.1919, 0.2304, 0.2184

Deuteranopia

34.8875, 0.2324, 0.2263



Tritanopia

34.7322, 0.2798, 0.3094

Trichromacy



Original Color

34.9230, 0.2472, 0.2196

Protanomaly

35.0523, 0.2360, 0.2190

Deuteranomaly

34.6497, 0.2368, 0.2227

Tritanomaly

34.7131, 0.2671, 0.2734

Monochromacy



Original Color

34.9230, 0.2472, 0.2196

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.0572, 0.2863, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9230, 0.2472, 0.2196 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(152, 151, 237)` looks like.

```
.text, #text, p{  
    color:rgb(152, 151, 237)  
}
```

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(152, 151, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 151, 237) }
```

Border

The CSS property to change the border of an element to Yxy 34.9230, 0.2472, 0.2196 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(152, 151, 237) }
```

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

```
.border{ border-color:rgb(152, 151, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 151, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 151, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 151, 237);  
box-shadow:4px 4px 4px 4px rgb(152, 151,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9230, 0.2472, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 151, 237) }
```

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

```
.background{ background-color: rgb(152,  
151, 237) }
```

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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