

Converting Colors

$Y_{xy}(34.6372, 0.2450, 0.2190)$

Have a look what the booklet for
Yxy(34.6372, 0.2450, 0.2190)
contains.

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Color

Yxy(34.6372, 0.2450, 0.2190)

Conversions

Conversions Part 1

Format	Color
Hex	9597ED
RGB	149, 151, 237
RGB Percent	58%, 59%, 93%
CMY	0.4156, 0.4078, 0.0705
CMYK	0.37, 0.36, 0.00, 0.07
HSL	239°, 71%, 76%
HSV	239°, 37%, 93%
XYZ	38.7494, 34.6372, 84.7742
YIQ	160.2060, -28.7980, 26.3220

Conversions

Conversions Part 2

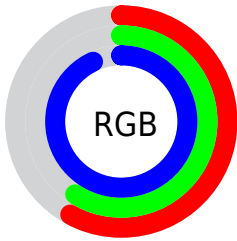
Format	Color
RYB	149, 151, 237
Decimal	9803757
CIELab	65.47, 19.60, -43.53
CIELCh	65, 47.745, 294.243
Yxy	34.6372, 0.2450, 0.2190
Android (android.graphics.Color)	4287993837 (0xFF9597ED)
YUV	160.2060, 37.8594, -9.8277
Hunter-Lab	58.8534, 14.5319, -44.2057

Details

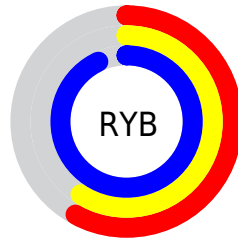
The Yxy color **34.6372, 0.2450, 0.2190** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.6079, 0.3692, 0.4195**, and the grayscale version is **35.0872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0045, 0.2806, 0.2749**, and **14.8302, 0.2245, 0.1901** is the 20% darker color. If you saturate the color by 10%, you get **25.8933, 0.2236, 0.1838**, and if you desaturate by 10%, it is **45.3022, 0.2656, 0.2527**.

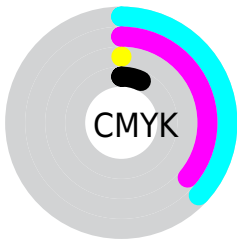
Distribution



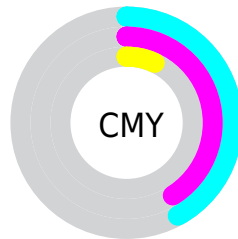
- Red (58%)
- Green (59%)
- Blue (93%)



- Red (58%)
- Yellow (59%)
- Blue (93%)



- Cyan (37%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6372, 0.2450, 0.2190 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 34.6372, 0.2450, 0.2190 by changing the saturation by 10% instead.

■ 34.6372, 0.2450,
0.2190

■ 34.6372, 0.2450,
0.2190

322.9640, 0.2800,
0.2723

■ 23.3835, 0.2362,
0.2065

■ 66.9233, 0.2578,
0.2378

■ 14.8770, 0.2249,
0.1910

■ 88.7246, 0.2626,
0.2451

■ 8.7331, 0.2101,
0.1715

114.8106, 0.2667,
0.2513

■ 4.5675, 0.1901,
0.1463

145.5656, 0.2701,
0.2566

■ 1.9958, 0.1619,
0.1136

181.3740, 0.2731,
0.2613

■ 0.6050, 0.1220,
0.0688

222.6203, 0.2757,

■ 0.0000, 0.0004,

0.2654

0.0000

269.6889, 0.2780,
0.2691

0.0000, 0.0000,
0.0000

34.6372, 0.2450,
0.2190

34.6372, 0.2450,
0.2190

25.8933, 0.2236,
0.1838

45.3022, 0.2656,
0.2527

18.9526, 0.2025,
0.1491

57.9889, 0.2847,
0.2836

13.6907, 0.1833,
0.1173

72.7956, 0.3018,
0.3113

9.9653, 0.1677,
0.0911

89.8130, 0.3168,
0.3356

7.6110, 0.1569,
0.0726

98.8952, 0.3232,
0.3463

■ 6.4222, 0.1513,
0.0627

■ 6.2315, 0.1503,
0.0610

Harmonies

Analogous

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



34.6372, 0.2017, 0.2212



34.6372, 0.2450, 0.2190



34.6372, 0.3116, 0.2395

Triad

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



34.6372, 0.2450, 0.2190



34.6372, 0.4582, 0.3833



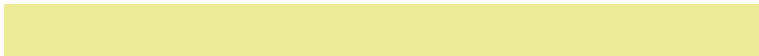
34.6372, 0.2368, 0.3852

Complementary

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



34.6372, 0.2450, 0.2190



79.6079, 0.3692, 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.



34.6372, 0.3002, 0.4485



34.6372, 0.2450, 0.2190



34.6372, 0.4294, 0.4337

Square

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



34.6372, 0.2450, 0.2190



34.6372, 0.4435, 0.3286



34.6372, 0.3708, 0.4634



34.6372, 0.1966, 0.3077

Rectangle

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



34.6372, 0.2450, 0.2190



34.6372, 0.3623, 0.2636



34.6372, 0.3708, 0.4634



34.6372, 0.2559, 0.4101

Sweetspot

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



34.6385, 0.2450, 0.2190



78.8010, 0.2953, 0.3009



72.9120, 0.2623, 0.3323



16.3544, 0.2930, 0.2971



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.



34.6385, 0.2450, 0.2190



32.4153, 0.2278, 0.1907



38.5703, 0.2766, 0.2256



14.6034, 0.2980, 0.3052



3.4271, 0.1504, 0.0614



0.2884, 0.1515, 0.0654

Inverse Universe

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



41.7391, 0.4016, 0.3270



42.0678, 0.4317, 0.3267



74.4751, 0.3386, 0.4313



15.0596, 0.3289, 0.3285



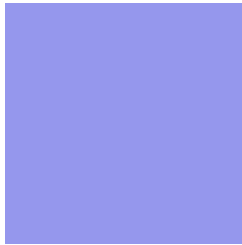
9.8388, 0.6376, 0.3286



0.7745, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 34.6372, 0.2450, 0.2190 looks on a white background.

Color Contrast Check

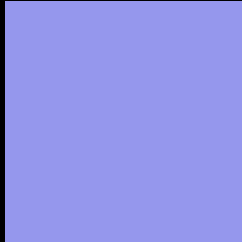
Large Text (above 18pt) WCAG AA × Fail

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 34.6372, 0.2450, 0.2190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

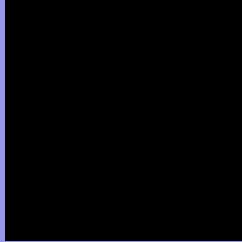
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6372, 0.2450, 0.2190

Background



This preview shows how black text looks on a background with the Yxy color 34.6372, 0.2450, 0.2190.



This preview shows how white text looks on a background with the Yxy color 34.6372, 0.2450, 0.2190.

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

34.6372, 0.2450, 0.2190

Protanopia

34.7949, 0.2307, 0.2180

Deuteranopia

34.8698, 0.2313, 0.2251



Tritanopia

34.4799, 0.2773, 0.3092

Trichromacy



Original Color

34.6372, 0.2450, 0.2190

Protanomaly

34.6367, 0.2351, 0.2175

Deuteranomaly

34.5672, 0.2362, 0.2225

Tritanomaly

34.4489, 0.2648, 0.2730

Monochromacy



Original Color

34.6372, 0.2450, 0.2190

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.8127, 0.2853, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6372, 0.2450, 0.2190 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(149, 151, 237)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 151, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 151, 237) }
```

Border

The CSS property to change the border of an element to Yxy 34.6372, 0.2450, 0.2190 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(149, 151, 237) }
```

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

```
.border{ border-color:rgb(149, 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(149, 151, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 151, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 151, 237);  
box-shadow:4px 4px 4px 4px rgb(149, 151,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6372, 0.2450, 0.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 151, 237) }
```

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

```
.background{ background-color: rgb(149,  
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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