

Converting Colors

$Y_{xy}(33.5754, 0.2530, 0.2345)$

Have a look what the booklet for
Yxy(33.5754, 0.2530, 0.2345)
contains.

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Color

Yxy(33.6102, 0.2527, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	9397DE
RGB	147, 151, 222
RGB Percent	58%, 59%, 87%
CMY	0.4236, 0.4078, 0.1294
CMYK	0.34, 0.32, 0.00, 0.13
HSL	237°, 53%, 72%
HSV	237°, 34%, 87%
XYZ	36.2806, 33.6102, 73.6811
YIQ	157.8980, -25.1750, 21.2330

Conversions

Conversions Part 2

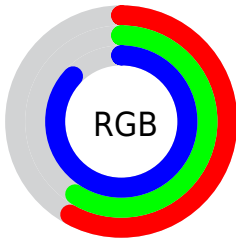
Format	Color
RYB	147, 151, 222
Decimal	9672670
CIELab	64.65, 15.06, -36.53
CIELCh	65, 39.517, 292.407
Yxy	33.6102, 0.2527, 0.2341
Android (android.graphics.Color)	4287862750 (0xFF9397DE)
YUV	157.8980, 31.6023, -9.5575
Hunter-Lab	57.9743, 10.2512, -34.7713

Details

The Yxy color **33.6102, 0.2527, 0.2341** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.7616, 0.3648, 0.4089**, and the grayscale version is **34.0055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5792, 0.2786, 0.2746**, and **14.2315, 0.2334, 0.2070** is the 20% darker color. If you saturate the color by 10%, you get **25.5833, 0.2318, 0.2004**, and if you desaturate by 10%, it is **43.2403, 0.2725, 0.2658**.

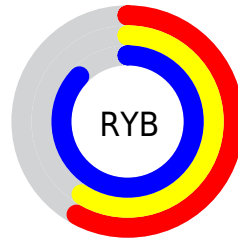
Distribution



Red (58%)

Green (59%)

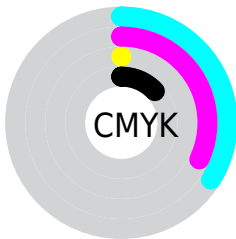
Blue (87%)



Red (58%)

Yellow (59%)

Blue (87%)

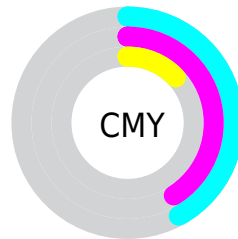


Cyan (34%)

Magenta (32%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (41%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6102, 0.2527, 0.2341 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 33.6102, 0.2527, 0.2341 by changing the saturation by 10% instead.

■ 33.6102, 0.2527,
0.2341

■ 33.6102, 0.2527,
0.2341

■ 318.3904, 0.2840,
0.2811

■ 22.5943, 0.2447,
0.2227

■ 65.3270, 0.2643,
0.2510

■ 14.2942, 0.2343,
0.2084

■ 86.7968, 0.2686,
0.2574

■ 8.3256, 0.2204,
0.1898

■ 112.5199, 0.2722,
0.2628

■ 4.3040, 0.2012,
0.1653

■ 142.8808, 0.2752,
0.2675

■ 1.8450, 0.1733,
0.1319

■ 178.2640, 0.2779,
0.2716

■ 0.5150, 0.1323,
0.0795

■ 219.0537, 0.2802,

■ 0.0000, 0.0000,

0.2752

0.0000

265.6344, 0.2822,
0.2783

■ 33.6102, 0.2527,
0.2341

■ 33.6102, 0.2527,
0.2341

■ 25.5833, 0.2318,
0.2004

■ 43.2403, 0.2725,
0.2658

■ 19.0691, 0.2108,
0.1661

■ 54.5501, 0.2907,
0.2946

■ 13.9736, 0.1911,
0.1334

■ 67.6157, 0.3070,
0.3201

■ 10.1910, 0.1741,
0.1047

■ 82.5075, 0.3214,
0.3425

■ 7.6006, 0.1613,
0.0824

■ 98.0539, 0.3321,
0.3611

■ 6.0594, 0.1535,
0.0678

■ 5.5351, 0.1508,
0.0627

Harmonies

Analogous

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



33.6102, 0.2162, 0.2381



33.6102, 0.2527, 0.2341



33.6102, 0.3085, 0.2506

Triad

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



33.6102, 0.2527, 0.2341



33.6102, 0.4355, 0.3747



33.6102, 0.2520, 0.3795

Complementary

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



33.6102, 0.2527, 0.2341



67.7616, 0.3648, 0.4089

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.



33.6102, 0.3072, 0.4290



33.6102, 0.2527, 0.2341



33.6102, 0.4146, 0.4171

Square

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



33.6102, 0.2527, 0.2341



33.6102, 0.4199, 0.3274



33.6102, 0.3668, 0.4408



33.6102, 0.2153, 0.3161

Rectangle

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



33.6102, 0.2527, 0.2341



33.6102, 0.3509, 0.2711



33.6102, 0.3668, 0.4408



33.6102, 0.2689, 0.3991

Sweetspot

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



33.6115, 0.2527, 0.2341



81.0396, 0.2970, 0.3044



63.4528, 0.2676, 0.3351



16.8184, 0.2947, 0.3007



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.



33.6115, 0.2527, 0.2341



37.5465, 0.2370, 0.2089



35.7768, 0.2786, 0.2356



13.3608, 0.2981, 0.3061



3.3378, 0.1510, 0.0635



0.2736, 0.1538, 0.0737

Inverse Universe

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



38.6251, 0.3875, 0.3244



45.6192, 0.4128, 0.3234



65.2296, 0.3384, 0.4204



13.7124, 0.3284, 0.3278



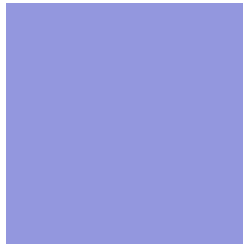
9.2450, 0.6341, 0.3267



0.6451, 0.6172, 0.3173

Previews

White Background



This preview shows how the Yxy color 33.6102, 0.2527, 0.2341 looks on a white background.

Color Contrast Check

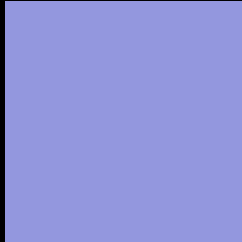
Large Text (above 18pt) WCAG AA × Fail

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 33.6102, 0.2527, 0.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

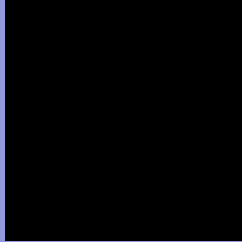
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6102, 0.2527, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 33.6102, 0.2527, 0.2341.



This preview shows how white text looks on a background with the Yxy color 33.6102, 0.2527, 0.2341.

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

33.6102, 0.2527, 0.2341

Protanopia

33.6158, 0.2421, 0.2327

Deuteranopia

33.6497, 0.2440, 0.2383



Tritanopia

33.7411, 0.2802, 0.3106

Trichromacy



Original Color

33.6102, 0.2527, 0.2341

Protanomaly

33.6533, 0.2460, 0.2332

Deuteranomaly

33.7349, 0.2473, 0.2378

Tritanomaly

33.4510, 0.2695, 0.2793

Monochromacy



Original Color

33.6102, 0.2527, 0.2341

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.6489, 0.2891, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6102, 0.2527, 0.2341 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(147, 151, 222)` looks like.

```
.text, #text, p{  
    color:rgb(147, 151, 222)  
}
```

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(147, 151, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 151, 222) }
```

Border

The CSS property to change the border of an element to Yxy 33.6102, 0.2527, 0.2341 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(147, 151, 222) }
```

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

```
.border{ border-color:rgb(147, 151, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 151, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 151, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 151, 222); box-shadow:4px 4px 4px 4px rgb(147, 151, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6102, 0.2527, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 151, 222) }
```

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

```
.background{ background-color: rgb(147,  
151, 222) }
```

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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