

Converting Colors

$Y_{xy}(36.2133, 0.2534, 0.2309)$

Have a look what the booklet for
Yxy(36.2133, 0.2534, 0.2309)
contains.

Yxy(36.2374, 0.2531, 0.2304)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.2374, 0.2531, 0.2304)

Conversions

Conversions Part 1

Format	Color
Hex	9B9BE8
RGB	155, 155, 232
RGB Percent	61%, 61%, 91%
CMY	0.3920, 0.3922, 0.0902
CMYK	0.33, 0.33, 0.00, 0.09
HSL	240°, 63%, 76%
HSV	240°, 33%, 91%
XYZ	39.8077, 36.2374, 81.2353
YIQ	163.7780, -24.7170, 23.9470

Conversions

Conversions Part 2

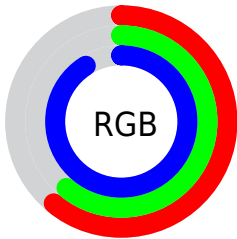
Format	Color
RYB	155, 155, 232
Decimal	10197992
CIELab	66.70, 17.62, -38.81
CIELCh	67, 42.621, 294.424
Yxy	36.2374, 0.2531, 0.2304
Android (android.graphics.Color)	4288388072 (0xFF9B9BE8)
YUV	163.7780, 33.6334, -7.6983
Hunter-Lab	60.1975, 12.6936, -37.8724

Details

The Yxy color **36.2374, 0.2531, 0.2304** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.2251, 0.3627, 0.4117**, and the grayscale version is **36.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6698, 0.2842, 0.2798**, and **15.8019, 0.2354, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **27.1661, 0.2317, 0.1950**, and if you desaturate by 10%, it is **47.2354, 0.2733, 0.2638**.

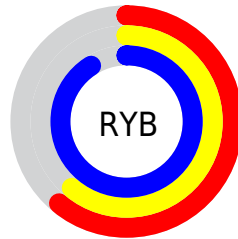
Distribution



Red (61%)

Green (61%)

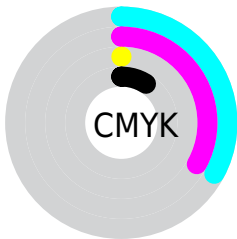
Blue (91%)



Red (61%)

Yellow (61%)

Blue (91%)

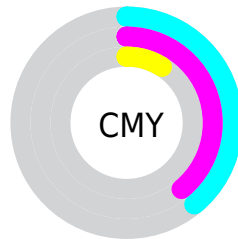


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (39%)

Magenta (39%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2374, 0.2531, 0.2304 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 36.2374, 0.2531, 0.2304 by changing the saturation by 10% instead.

■ 36.2374, 0.2531,
0.2304

■ 36.2374, 0.2531,
0.2304

■ 329.9970, 0.2838,
0.2784

■ 24.6176, 0.2453,
0.2190

■ 69.3983, 0.2644,
0.2474

■ 15.7924, 0.2353,
0.2049

■ 91.7082, 0.2686,
0.2539

■ 9.3774, 0.2221,
0.1868

■ 118.3503, 0.2721,
0.2595

■ 4.9881, 0.2041,
0.1632

■ 149.7090, 0.2752,
0.2643

■ 2.2403, 0.1782,
0.1317

■ 186.1686, 0.2778,
0.2685

■ 0.7418, 0.1401,
0.0888

■ 228.1135, 0.2801,

■ 0.0000, 0.0266,

0.2722

0.0000

275.9282, 0.2821,
0.2755

0.0000, 0.0000,
0.0000

36.2374, 0.2531,
0.2304

36.2374, 0.2531,
0.2304

27.1661, 0.2317,
0.1950

47.2354, 0.2733,
0.2638

19.9067, 0.2101,
0.1593

60.2575, 0.2917,
0.2942

14.3388, 0.1899,
0.1258

75.3998, 0.3080,
0.3211

10.3258, 0.1727,
0.0974

92.7509, 0.3222,
0.3446

7.7099, 0.1600,
0.0765

98.6059, 0.3262,
0.3513

■ 6.2998, 0.1526,
0.0643

■ 5.8266, 0.1500,
0.0600

Harmonies

Analogous

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



36.2374, 0.2136, 0.2328



36.2374, 0.2531, 0.2304



36.2374, 0.3126, 0.2489

Triad

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



36.2374, 0.2531, 0.2304



36.2374, 0.4413, 0.3795



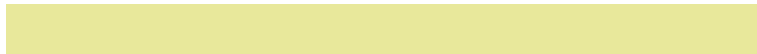
36.2374, 0.2456, 0.3778

Complementary

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



36.2374, 0.2531, 0.2304



77.2251, 0.3627, 0.4117

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.



36.2374, 0.3023, 0.4323



36.2374, 0.2531, 0.2304



36.2374, 0.4167, 0.4235

Square

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



36.2374, 0.2531, 0.2304



36.2374, 0.4279, 0.3302



36.2374, 0.3651, 0.4472



36.2374, 0.2091, 0.3108

Rectangle

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



36.2374, 0.2531, 0.2304



36.2374, 0.3571, 0.2709



36.2374, 0.3651, 0.4472



36.2374, 0.2628, 0.3991

Sweetspot

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



36.2388, 0.2531, 0.2304



80.2781, 0.2970, 0.3030



70.5039, 0.2656, 0.3289



16.6363, 0.2946, 0.2991



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.



36.2388, 0.2531, 0.2304



36.7795, 0.2381, 0.2057



40.6697, 0.2835, 0.2382



13.8875, 0.2980, 0.3047



3.2350, 0.1500, 0.0600



0.2392, 0.1501, 0.0600

Inverse Universe

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



46.4198, 0.3166, 0.2468



51.2594, 0.3174, 0.2302



71.4789, 0.3343, 0.4200



14.6151, 0.3138, 0.3059



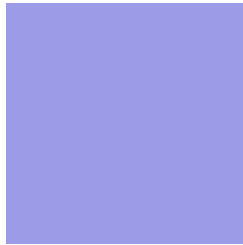
12.7553, 0.3210, 0.1542



0.9426, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.2374, 0.2531, 0.2304 looks on a white background.

Color Contrast Check

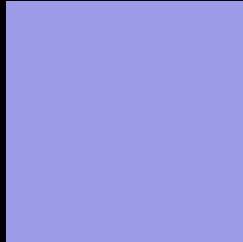
Large Text (above 18pt) WCAG AA × Fail

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 36.2374, 0.2531, 0.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

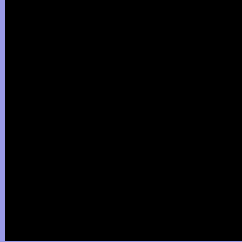
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2374, 0.2531, 0.2304

Background



This preview shows how black text looks on a background with the Yxy color 36.2374, 0.2531, 0.2304.



This preview shows how white text looks on a background with the Yxy color 36.2374, 0.2531, 0.2304.

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

36.2374, 0.2531, 0.2304

Protanopia

36.5161, 0.2393, 0.2297

Deuteranopia

36.4935, 0.2416, 0.2362



Tritanopia

36.3667, 0.2820, 0.3098

Trichromacy



Original Color

36.2374, 0.2531, 0.2304

Protanomaly

36.3812, 0.2440, 0.2293

Deuteranomaly

36.4054, 0.2459, 0.2346

Tritanomaly

36.1209, 0.2707, 0.2783

Monochromacy



Original Color

36.2374, 0.2531, 0.2304

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.7409, 0.2892, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2374, 0.2531, 0.2304 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(155, 155, 232)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 232)  
}
```

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(155, 155, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 232) }
```

Border

The CSS property to change the border of an element to Yxy 36.2374, 0.2531, 0.2304 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(155, 155, 232) }
```

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

```
.border{ border-color:rgb(155, 155, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 155, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 155, 232); box-shadow:4px 4px 4px 4px rgb(155, 155, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2374, 0.2531, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 232) }
```

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

```
.background{ background-color: rgb(155,  
155, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor