

Converting Colors

Yxy(31.8420, 0.2345, 0.2258)

Have a look what the booklet for
Yxy(31.8420, 0.2345, 0.2258)
contains.

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Color

Yxy(31.9093, 0.2342, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	7C97E2
RGB	124, 151, 226
RGB Percent	49%, 59%, 89%
CMY	0.5135, 0.4079, 0.1138
CMYK	0.45, 0.33, 0.00, 0.11
HSL	224°, 64%, 69%
HSV	224°, 45%, 89%
XYZ	33.1110, 31.9093, 76.3589
YIQ	151.4770, -40.1670, 17.6010

Conversions

Conversions Part 2

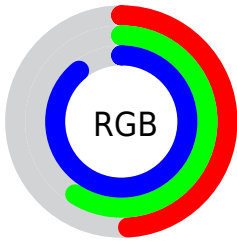
Format	Color
RYB	124, 145, 226
Decimal	8165346
CIELab	63.27, 10.14, -41.02
CIElCh	63, 42.257, 283.889
Yxy	31.9093, 0.2342, 0.2257
Android (android.graphics.Color)	4286355426 (0xFF7C97E2)
YUV	151.4770, 36.7398, -24.0973
Hunter-Lab	56.4883, 5.7745, -40.6043

Details

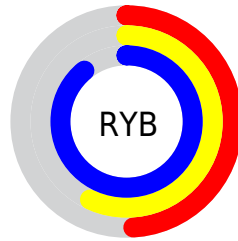
The Yxy color **31.9093, 0.2342, 0.2257** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.4979, 0.3921, 0.4137**, and the grayscale version is **31.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5859, 0.2638, 0.2723**, and **13.2456, 0.2110, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **25.4347, 0.2156, 0.1979**, and if you desaturate by 10%, it is **39.5269, 0.2530, 0.2523**.

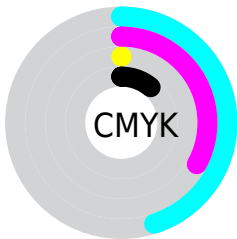
Distribution



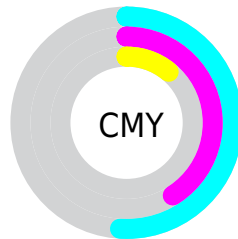
- Red (49%)
- Green (59%)
- Blue (89%)



- Red (49%)
- Yellow (57%)
- Blue (89%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)





- Cyan (51%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9093, 0.2342, 0.2257 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 31.9093, 0.2342, 0.2257 by changing the saturation by 10% instead.

 31.9093, 0.2342,
0.2257


 31.9093, 0.2342,
0.2257


310.7059, 0.2747,
0.2773

 21.2922, 0.2240,
0.2132


 62.6689, 0.2491,
0.2443

 13.3378, 0.2109,
0.1974


 83.5802, 0.2546,
0.2513

 7.6616, 0.1937,
0.1772


 108.6917, 0.2593,
0.2573

 3.8792, 0.1704,
0.1506

138.3877, 0.2633,
0.2624

 1.6062, 0.1380,
0.1151

173.0528, 0.2667,
0.2669

 0.3618, 0.0907,
0.0555

213.0713, 0.2697,

 0.0000, 0.0000,

0.2708

0.0000

258.8275, 0.2724,
0.2742

■ 31.9093, 0.2342,
0.2257

■ 31.9093, 0.2342,
0.2257

■ 25.4347, 0.2156,
0.1979

■ 39.5269, 0.2530,
0.2523

■ 20.0415, 0.1982,
0.1698

■ 48.3378, 0.2713,
0.2771

■ 15.6671, 0.1828,
0.1429

■ 58.3934, 0.2887,
0.2996

■ 12.2403, 0.1704,
0.1186

■ 69.7408, 0.3050,
0.3197

■ 9.6785, 0.1615,
0.0982

■ 82.4247, 0.3198,
0.3374

■ 8.6922, 0.1583,
0.0898

■ 95.5945, 0.3302,
0.3532

■ 98.2705, 0.3298,
0.3572

Harmonies

Analogous

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



31.9093, 0.2023, 0.2363



31.9093, 0.2342, 0.2257



31.9093, 0.2891, 0.2377

Triad

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



31.9093, 0.2342, 0.2257



31.9093, 0.4456, 0.3629



31.9093, 0.2620, 0.4029

Complementary

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



31.9093, 0.2342, 0.2257



58.4979, 0.3921, 0.4137

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.



31.9093, 0.3246, 0.4469



31.9093, 0.2342, 0.2257



31.9093, 0.4328, 0.4115

Square

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



31.9093, 0.2342, 0.2257



31.9093, 0.4174, 0.3125



31.9093, 0.3874, 0.4461



31.9093, 0.2161, 0.3336

Rectangle

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



31.9093, 0.2342, 0.2257



31.9093, 0.3342, 0.2564



31.9093, 0.3874, 0.4461



31.9093, 0.2817, 0.4220

Sweetspot

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



31.9105, 0.2342, 0.2257



78.2175, 0.2904, 0.3017



62.7923, 0.2660, 0.3646



16.0886, 0.2868, 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.



31.9105, 0.2342, 0.2257



34.0296, 0.2170, 0.2000



26.2017, 0.2461, 0.1947



13.8293, 0.2981, 0.3112



5.1251, 0.1590, 0.0923



0.4999, 0.1673, 0.1222

Inverse Universe

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



32.8314, 0.4005, 0.2977



36.3752, 0.4294, 0.2923



68.4304, 0.3610, 0.4471



13.7597, 0.3251, 0.3228



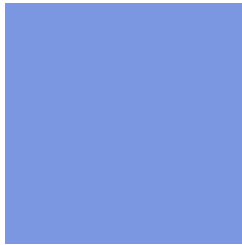
9.4254, 0.5876, 0.3011



0.6679, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 31.9093, 0.2342, 0.2257 looks on a white background.

Color Contrast Check

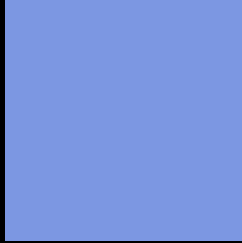
Large Text (above 18pt) WCAG AA × Fail

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 31.9093, 0.2342, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

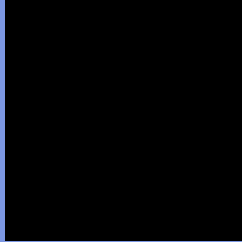
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9093, 0.2342, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 31.9093, 0.2342, 0.2257.



This preview shows how white text looks on a background with the Yxy color 31.9093, 0.2342, 0.2257.

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

31.9093, 0.2342, 0.2257

Protanopia

31.8381, 0.2371, 0.2260

Deuteranopia

32.0124, 0.2325, 0.2266



Tritanopia

31.7969, 0.2585, 0.3079

Trichromacy



Original Color

31.9093, 0.2342, 0.2257

Protanomaly

31.7610, 0.2364, 0.2259

Deuteranomaly

32.0850, 0.2331, 0.2268

Tritanomaly

31.5416, 0.2485, 0.2738

Monochromacy



Original Color

31.9093, 0.2342, 0.2257

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0103, 0.2796, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9093, 0.2342, 0.2257 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(124, 151, 226)` looks like.

```
.text, #text, p{  
    color:rgb(124, 151, 226)  
}
```

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(124, 151, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 151, 226) }
```

Border

The CSS property to change the border of an element to Yxy 31.9093, 0.2342, 0.2257 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(124, 151, 226) }
```

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

```
.border{ border-color:rgb(124, 151, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 151, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 151, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 151, 226);  
box-shadow:4px 4px 4px 4px rgb(124, 151,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9093, 0.2342, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 151, 226) }
```

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

```
.background{ background-color: rgb(124,  
151, 226) }
```

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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