

Converting Colors

$Y_{xy}(35.0772, 0.2303, 0.2206)$

Have a look what the booklet for
Yxy(35.0772, 0.2303, 0.2206)
contains.

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Color

Yxy(34.9172, 0.2302, 0.2200)

Conversions

Conversions Part 1

Format	Color
Hex	7F9DF0
RGB	127, 157, 240
RGB Percent	50%, 62%, 94%
CMY	0.5020, 0.3843, 0.0588
CMYK	0.47, 0.35, 0.00, 0.06
HSL	224°, 79%, 72%
HSV	224°, 47%, 94%
XYZ	36.5361, 34.9172, 87.2613
YIQ	157.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

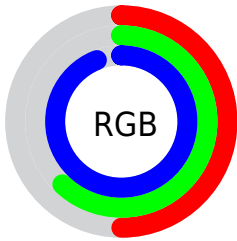
Format	Color
R _Y B	127, 151, 240
Decimal	8363504
CIE Lab	65.68, 11.46, -44.94
CIE LCh	66, 46.378, 284.310
Yxy	34.9172, 0.2302, 0.2200
Android (android.graphics.Color)	4286553584 (0xFF7F9DF0)
YUV	157.4920, 40.6764, -26.7415
Hunter-Lab	59.0908, 6.9585, -46.1919

Details

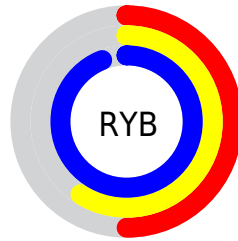
The Yxy color **34.9172, 0.2302, 0.2200** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.1456, 0.3963, 0.4174**, and the grayscale version is **33.7773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9989, 0.2670, 0.2797**, and **15.0340, 0.2066, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **27.7499, 0.2118, 0.1920**, and if you desaturate by 10%, it is **43.3862, 0.2491, 0.2470**.

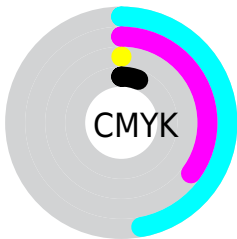
Distribution



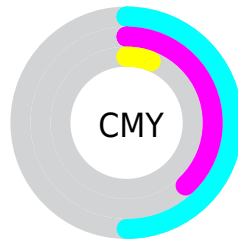
- Red (50%)
- Green (62%)
- Blue (94%)



- Red (50%)
- Yellow (59%)
- Blue (94%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (6%)





- Cyan (50%)
- Magenta (38%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9172, 0.2302, 0.2200 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 34.9172, 0.2302, 0.2200 by changing the saturation by 10% instead.


 34.9172, 0.2302,
0.2200


 34.9172, 0.2302,
0.2200


324.2027, 0.2720,
0.2733

 23.5991, 0.2199,
0.2074


 67.3575, 0.2453,
0.2389

 15.0365, 0.2069,
0.1918


 89.2484, 0.2511,
0.2461

 8.8450, 0.1901,
0.1721


 115.4325, 0.2559,
0.2523

 4.6402, 0.1678,
0.1467

146.2940, 0.2600,
0.2577

 2.0378, 0.1375,
0.1136

182.2174, 0.2636,
0.2623

 0.6293, 0.0965,
0.0691

223.5870, 0.2668,

 0.0000, 0.0000,

0.2664

0.0000

270.7874, 0.2696,
0.2701

■ 34.9172, 0.2302,
0.2200

■ 34.9172, 0.2302,
0.2200

■ 27.7499, 0.2118,
0.1920

■ 43.3862, 0.2491,
0.2470

■ 21.8123, 0.1946,
0.1640

■ 53.2161, 0.2676,
0.2722

■ 17.0303, 0.1798,
0.1375

■ 64.4670, 0.2853,
0.2952

■ 13.3193, 0.1681,
0.1139

■ 77.1940, 0.3018,
0.3158

■ 10.5783, 0.1601,
0.0944

■ 91.4492, 0.3170,
0.3341

■ 9.9316, 0.1582,
0.0895

■ 99.0720, 0.3214,
0.3434

Harmonies

Analogous

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



34.9172, 0.1964, 0.2304



34.9172, 0.2302, 0.2200



34.9172, 0.2884, 0.2330

Triad

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



34.9172, 0.2302, 0.2200



34.9172, 0.4541, 0.3646



34.9172, 0.2577, 0.4072

Complementary

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



34.9172, 0.2302, 0.2200



66.1456, 0.3963, 0.4174

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.



34.9172, 0.3237, 0.4550



34.9172, 0.2302, 0.2200



34.9172, 0.4394, 0.4162

Square

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



34.9172, 0.2302, 0.2200



34.9172, 0.4250, 0.3118



34.9172, 0.3904, 0.4536



34.9172, 0.2098, 0.3325

Rectangle

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



34.9172, 0.2302, 0.2200



34.9172, 0.3364, 0.2528



34.9172, 0.3904, 0.4536



34.9172, 0.2784, 0.4280

Sweetspot

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



34.9185, 0.2302, 0.2200



78.2455, 0.2904, 0.3018



71.4847, 0.2643, 0.3666



16.0953, 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.



34.9185, 0.2302, 0.2200



31.7745, 0.2116, 0.1917



28.2723, 0.2422, 0.1875



15.9116, 0.2980, 0.3111



5.6216, 0.1589, 0.0921



0.6254, 0.1659, 0.1171

Inverse Universe

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



36.1354, 0.4066, 0.2962



34.4829, 0.4394, 0.2906



78.1011, 0.3629, 0.4526



15.8278, 0.3251, 0.3227



10.3608, 0.5879, 0.3012



0.8778, 0.5507, 0.2807

Previews

White Background



This preview shows how the Yxy color 34.9172, 0.2302, 0.2200 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 34.9172, 0.2302, 0.2200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

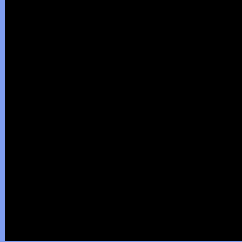
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9172, 0.2302, 0.2200

Background



This preview shows how black text looks on a background with the Yxy color 34.9172, 0.2302, 0.2200.



This preview shows how white text looks on a background with the Yxy color 34.9172, 0.2302, 0.2200.

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

34.9172, 0.2302, 0.2200

Protanopia

34.7548, 0.2323, 0.2202

Deuteranopia

34.8099, 0.2270, 0.2204



Tritanopia

35.0683, 0.2558, 0.3086

Trichromacy



Original Color

34.9172, 0.2302, 0.2200

Protanomaly

34.6761, 0.2317, 0.2200

Deuteranomaly

34.9559, 0.2281, 0.2207

Tritanomaly

34.9351, 0.2457, 0.2730

Monochromacy



Original Color

34.9172, 0.2302, 0.2200

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.8128, 0.2775, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9172, 0.2302, 0.2200 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(127, 157, 240)` looks like.

```
.text, #text, p{  
    color:rgb(127, 157, 240)  
}
```

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(127, 157, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 157, 240) }
```

Border

The CSS property to change the border of an element to Yxy 34.9172, 0.2302, 0.2200 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(127, 157, 240) }
```

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

```
.border{ border-color:rgb(127, 157, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 157, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 157, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 157, 240);  
box-shadow:4px 4px 4px 4px rgb(127, 157,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9172, 0.2302, 0.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 157, 240) }
```

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

```
.background{ background-color: rgb(127,  
157, 240) }
```

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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