

Converting Colors

$Y_{xy}(31.7789, 0.2438, 0.2339)$

Have a look what the booklet for
Yxy(31.7789, 0.2438, 0.2339)
contains.

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Color

Yxy(31.7802, 0.2440, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	8496DA
RGB	132, 150, 218
RGB Percent	52%, 59%, 85%
CMY	0.4822, 0.4118, 0.1451
CMYK	0.39, 0.31, 0.00, 0.15
HSL	227°, 54%, 69%
HSV	227°, 39%, 85%
XYZ	33.0818, 31.7802, 70.7191
YIQ	152.3700, -32.5560, 17.3320

Conversions

Conversions Part 2

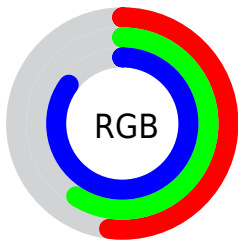
Format	Color
RYB	132, 147, 218
Decimal	8689370
CIELab	63.16, 10.50, -36.72
CIELCh	63, 38.191, 285.960
Yxy	31.7802, 0.2440, 0.2344
Android (android.graphics.Color)	4286879450 (0xFF8496DA)
YUV	152.3700, 32.3556, -17.8645
Hunter-Lab	56.3739, 6.0943, -34.9154

Details

The Yxy color **31.7802, 0.2440, 0.2344** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.9060, 0.3789, 0.4082**, and the grayscale version is **31.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0971, 0.2687, 0.2719**, and **13.1877, 0.2226, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **25.0977, 0.2246, 0.2052**, and if you desaturate by 10%, it is **39.6426, 0.2631, 0.2619**.

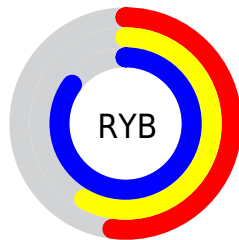
Distribution



Red (52%)

Green (59%)

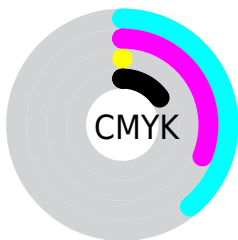
Blue (85%)



Red (52%)

Yellow (58%)

Blue (85%)

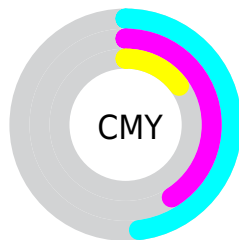


Cyan (39%)

Magenta (31%)

Yellow (0%)

Black (15%)



Cyan (48%)

Magenta (41%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7802, 0.2440, 0.2344 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 31.7802, 0.2440, 0.2344 by changing the saturation by 10% instead.

■ 31.7802, 0.2440,
0.2344

■ 31.7802, 0.2440,
0.2344

310.1168, 0.2798,
0.2820

■ 21.1937, 0.2348,
0.2227

■ 62.4664, 0.2572,
0.2516

■ 13.2656, 0.2230,
0.2078

■ 83.3348, 0.2621,
0.2581

■ 7.6117, 0.2072,
0.1885

■ 108.3993, 0.2663,
0.2636

■ 3.8475, 0.1854,
0.1627

138.0442, 0.2698,
0.2684

■ 1.5886, 0.1540,
0.1274

172.6541, 0.2728,
0.2724

■ 0.3499, 0.1060,
0.0630

212.6132, 0.2754,

■ 0.0000, 0.0000,

0.2760

0.0000

258.3059, 0.2777,
0.2792

■ 31.7802, 0.2440,
0.2344

■ 31.7802, 0.2440,
0.2344

■ 25.0977, 0.2246,
0.2052

■ 39.6426, 0.2631,
0.2619

■ 19.5332, 0.2058,
0.1754

■ 48.7354, 0.2812,
0.2872

■ 15.0244, 0.1885,
0.1465

■ 59.1106, 0.2981,
0.3100

■ 11.5009, 0.1740,
0.1200

■ 70.8160, 0.3136,
0.3301

■ 8.8832, 0.1630,
0.0976

■ 83.8969, 0.3275,
0.3477

■ 7.0633, 0.1558,
0.0805

■ 96.8778, 0.3348,
0.3637

■ 6.9782, 0.1555,
0.0797

■ 97.8419, 0.3346,
0.3651

Harmonies

Analogous

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



31.7802, 0.2128, 0.2431



31.7802, 0.2440, 0.2344



31.7802, 0.2957, 0.2466

Triad

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



31.7802, 0.2440, 0.2344



31.7802, 0.4335, 0.3643



31.7802, 0.2635, 0.3914

Complementary

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



31.7802, 0.2440, 0.2344



57.9060, 0.3789, 0.4082

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.



31.7802, 0.3202, 0.4333



31.7802, 0.2440, 0.2344



31.7802, 0.4202, 0.4080

Square

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



31.7802, 0.2440, 0.2344



31.7802, 0.4103, 0.3177



31.7802, 0.3778, 0.4366



31.7802, 0.2225, 0.3294

Rectangle

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



31.7802, 0.2440, 0.2344



31.7802, 0.3369, 0.2647



31.7802, 0.3778, 0.4366



31.7802, 0.2813, 0.4090

Sweetspot

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



31.7814, 0.2440, 0.2344



80.1649, 0.2937, 0.3041



59.1927, 0.2684, 0.3535



16.7325, 0.2916, 0.3012



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.



31.7814, 0.2440, 0.2344



37.5848, 0.2285, 0.2112



28.6850, 0.2601, 0.2150



13.0555, 0.2981, 0.3099



4.3067, 0.1561, 0.0818



0.4045, 0.1644, 0.1117

Inverse Universe

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



33.6223, 0.3901, 0.3074



41.1739, 0.4145, 0.3032



63.2321, 0.3521, 0.4332



13.0958, 0.3259, 0.3241



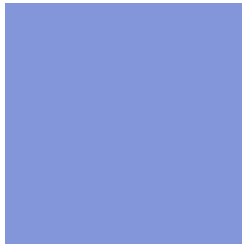
9.0585, 0.6041, 0.3102



0.5995, 0.5585, 0.2850

Previews

White Background



This preview shows how the Yxy color 31.7802, 0.2440, 0.2344 looks on a white background.

Color Contrast Check

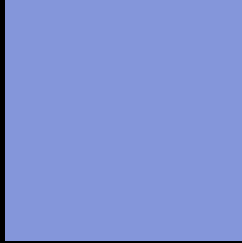
Large Text (above 18pt) WCAG AA × Fail

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 31.7802, 0.2440, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

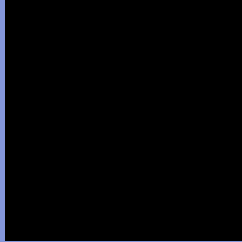
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7802, 0.2440, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 31.7802, 0.2440, 0.2344.



This preview shows how white text looks on a background with the Yxy color 31.7802, 0.2440, 0.2344.

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

31.7802, 0.2440, 0.2344

Protanopia

31.6999, 0.2433, 0.2342

Deuteranopia

31.7844, 0.2414, 0.2352



Tritanopia

31.8398, 0.2685, 0.3083

Trichromacy



Original Color

31.7802, 0.2440, 0.2344

Protanomaly

31.6999, 0.2433, 0.2342

Deuteranomaly

31.8623, 0.2421, 0.2353

Tritanomaly

31.8110, 0.2589, 0.2789

Monochromacy



Original Color

31.7802, 0.2440, 0.2344

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.2875, 0.2848, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7802, 0.2440, 0.2344 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(132, 150, 218)` looks like.

```
.text, #text, p{  
    color:rgb(132, 150, 218)  
}
```

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(132, 150, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 150, 218) }
```

Border

The CSS property to change the border of an element to Yxy 31.7802, 0.2440, 0.2344 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(132, 150, 218) }
```

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

```
.border{ border-color:rgb(132, 150, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 150, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 150, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 150, 218);  
box-shadow:4px 4px 4px 4px rgb(132, 150,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7802, 0.2440, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 150, 218) }
```

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

```
.background{ background-color: rgb(132,  
150, 218) }
```

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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