

Converting Colors

$Y_{xy}(23.8423, 0.2399, 0.2318)$

Have a look what the booklet for
Yxy(23.8423, 0.2399, 0.2318)
contains.

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Color

Yxy(23.8423, 0.2399, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	7084C2
RGB	112, 132, 194
RGB Percent	44%, 52%, 76%
CMY	0.5606, 0.4824, 0.2392
CMYK	0.42, 0.32, 0.00, 0.24
HSL	225°, 40%, 60%
HSV	225°, 42%, 76%
XYZ	24.6754, 23.8423, 54.3395
YIQ	133.0880, -31.8220, 15.0420

Conversions

Conversions Part 2

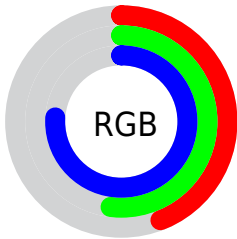
Format	Color
R_{YB}	112, 128, 194
Decimal	7374018
CIE Lab	55.93, 8.93, -34.62
CIE LCh	56, 35.756, 284.455
Yxy	23.8423, 0.2399, 0.2318
Android (android.graphics.Color)	4285564098 (0xFF7084C2)
YUV	133.0880, 30.0296, -18.4942
Hunter-Lab	48.8286, 4.7547, -31.8016

Details

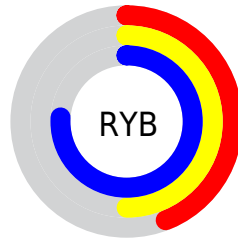
The Yxy color **23.8423, 0.2399, 0.2318** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.9360, 0.3849, 0.4098**, and the grayscale version is **23.3901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8784, 0.2550, 0.2509**, and **8.9795, 0.2147, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **18.9992, 0.2211, 0.2038**, and if you desaturate by 10%, it is **29.5216, 0.2586, 0.2584**.

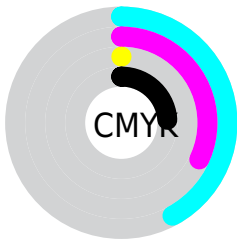
Distribution



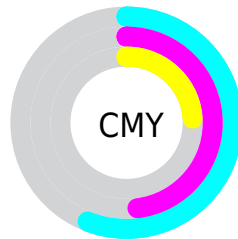
- Red (44%)
- Green (52%)
- Blue (76%)



- Red (44%)
- Yellow (50%)
- Blue (76%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (56%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8423, 0.2399, 0.2318 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 23.8423, 0.2399, 0.2318 by changing the saturation by 10% instead.

■ 23.8423, 0.2399,
0.2318

■ 23.8423, 0.2399,
0.2318

272.0222, 0.2794,
0.2830

■ 15.2167, 0.2292,
0.2184

■ 49.7727, 0.2549,
0.2509

■ 8.9716, 0.2149,
0.2011

■ 67.8463, 0.2604,
0.2579

■ 4.7227, 0.1954,
0.1779

■ 89.8381, 0.2649,
0.2638

■ 2.0855, 0.1674,
0.1459

116.1323, 0.2687,
0.2688

■ 0.6564, 0.1262,
0.0984

147.1134, 0.2720,
0.2731

■ 0.0000, 0.0000,
0.0000

183.1659, 0.2748,

0.2768

224.6740, 0.2773,
0.2801

■ 23.8423, 0.2399,
0.2318

■ 23.8423, 0.2399,
0.2318

■ 18.9992, 0.2211,
0.2038

■ 29.5216, 0.2586,
0.2584

■ 14.9486, 0.2031,
0.1753

■ 36.0725, 0.2767,
0.2829

■ 11.6466, 0.1868,
0.1476

■ 43.5317, 0.2937,
0.3051

■ 9.0436, 0.1732,
0.1223

■ 51.9326, 0.3094,
0.3249

■ 7.0831, 0.1631,
0.1007

■ 61.3073, 0.3237,
0.3423

■ 5.9441, 0.1575,
0.0870

■ 71.6860, 0.3366,
0.3576

■ 83.0977, 0.3482,
0.3708

■ 93.1721, 0.3502,
0.3839

■ 96.6750, 0.3490,
0.3890

Harmonies

Analogous

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



23.8423, 0.2091, 0.2417



23.8423, 0.2399, 0.2318



23.8423, 0.2920, 0.2434

Triad

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



23.8423, 0.2399, 0.2318



23.8423, 0.4368, 0.3625



23.8423, 0.2646, 0.3964

Complementary

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



23.8423, 0.2399, 0.2318



42.9360, 0.3849, 0.4098

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.



23.8423, 0.3233, 0.4379



23.8423, 0.2399, 0.2318



23.8423, 0.4248, 0.4079

Square

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



23.8423, 0.2399, 0.2318



23.8423, 0.4111, 0.3149



23.8423, 0.3821, 0.4389



23.8423, 0.2215, 0.3325

Rectangle

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



23.8423, 0.2399, 0.2318



23.8423, 0.3343, 0.2613



23.8423, 0.3821, 0.4389



23.8423, 0.2831, 0.4141

Sweetspot

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



23.8432, 0.2399, 0.2318



77.4910, 0.2921, 0.3031



45.0684, 0.2678, 0.3595



16.2797, 0.2884, 0.2983



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.



23.8432, 0.2399, 0.2318



34.7709, 0.2219, 0.2050



20.4441, 0.2533, 0.2060



10.1372, 0.2983, 0.3111



4.0176, 0.1581, 0.0891



0.2857, 0.1705, 0.1338

Inverse Universe

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



24.7349, 0.3936, 0.3022



37.4873, 0.4227, 0.2967



48.6970, 0.3567, 0.4390



10.1172, 0.3252, 0.3234



7.6878, 0.5926, 0.3038



0.3435, 0.5275, 0.2679

Previews

White Background



This preview shows how the Yxy color 23.8423, 0.2399, 0.2318 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8423, 0.2399, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

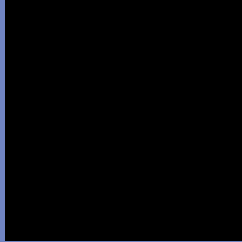
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8423, 0.2399, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 23.8423, 0.2399, 0.2318.



This preview shows how white text looks on a background with the Yxy color 23.8423, 0.2399, 0.2318.

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

23.8423, 0.2399, 0.2318

Protanopia

23.9750, 0.2414, 0.2322

Deuteranopia

23.9851, 0.2386, 0.2331



Tritanopia

23.7899, 0.2636, 0.3073

Trichromacy



Original Color

23.8423, 0.2399, 0.2318

Protanomaly

23.9083, 0.2406, 0.2320

Deuteranomaly

24.0496, 0.2394, 0.2332

Tritanomaly

23.6846, 0.2546, 0.2773

Monochromacy



Original Color

23.8423, 0.2399, 0.2318

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5016, 0.2824, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8423, 0.2399, 0.2318 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(112, 132, 194)` looks like.

```
.text, #text, p{  
    color:rgb(112, 132, 194)  
}
```

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(112, 132, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 132, 194) }
```

Border

The CSS property to change the border of an element to Yxy 23.8423, 0.2399, 0.2318 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(112, 132, 194) }
```

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

```
.border{ border-color:rgb(112, 132, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 132, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 132, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 132, 194);  
box-shadow:4px 4px 4px 4px rgb(112, 132,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8423, 0.2399, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 132, 194) }
```

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

```
.background{ background-color: rgb(112,  
132, 194) }
```

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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