

Converting Colors

$Y_{xy}(23.9378, 0.2417, 0.2238)$

Have a look what the booklet for
Yxy(23.9378, 0.2417, 0.2238)
contains.

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Color

Yxy(24.0107, 0.2416, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	7782C7
RGB	119, 130, 199
RGB Percent	47%, 51%, 78%
CMY	0.5333, 0.4902, 0.2197
CMYK	0.40, 0.35, 0.00, 0.22
HSL	232°, 42%, 62%
HSV	232°, 40%, 78%
XYZ	25.8973, 24.0107, 57.2827
YIQ	134.5770, -28.7050, 19.1270

Conversions

Conversions Part 2

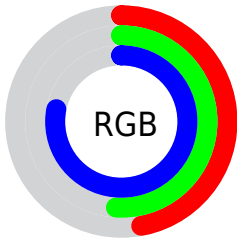
Format	Color
R_{YB}	119, 129, 199
Decimal	7832263
CIE _{Lab}	56.10, 13.38, -37.15
CIE _{LCh}	56, 39.482, 289.805
Yxy	24.0107, 0.2416, 0.2240
Android (android.graphics.Color)	4286022343 (0xFF7782C7)
YUV	134.5770, 31.7605, -13.6610
Hunter-Lab	49.0007, 8.5874, -35.0105

Details

The Yxy color **24.0107, 0.2416, 0.2240** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.4269, 0.3772, 0.4157**, and the grayscale version is **23.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0856, 0.2570, 0.2455**, and **9.0874, 0.2174, 0.1918** is the 20% darker color. If you saturate the color by 10%, you get **18.5566, 0.2215, 0.1925**, and if you desaturate by 10%, it is **30.5227, 0.2613, 0.2540**.

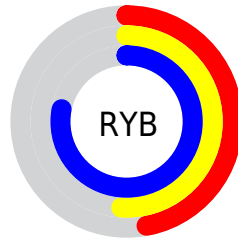
Distribution



Red (47%)

Green (51%)

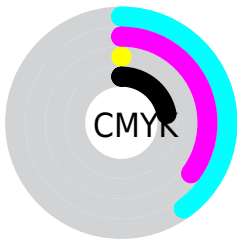
Blue (78%)



Red (47%)

Yellow (51%)

Blue (78%)

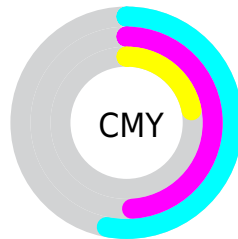


Cyan (40%)

Magenta (35%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (49%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0107, 0.2416, 0.2240 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 24.0107, 0.2416, 0.2240 by changing the saturation by 10% instead.

■ 24.0107, 0.2416,
0.2240

■ 24.0107, 0.2416,
0.2240

272.8746, 0.2803,
0.2786

■ 15.3416, 0.2311,
0.2100

■ 50.0477, 0.2563,
0.2442

■ 9.0594, 0.2172,
0.1921

■ 68.1843, 0.2617,
0.2517

■ 4.7800, 0.1981,
0.1684

■ 90.2455, 0.2661,
0.2580

■ 2.1188, 0.1709,
0.1363

116.6157, 0.2698,
0.2633

■ 0.6751, 0.1309,
0.0906

147.6793, 0.2730,
0.2679

■ 0.0000, 0.0000,
0.0000

183.8208, 0.2758,

0.2720

225.4244, 0.2782,
0.2755

■ 24.0107, 0.2416,
0.2240

■ 24.0107, 0.2416,
0.2240

■ 18.5566, 0.2215,
0.1925

■ 30.5227, 0.2613,
0.2540

■ 14.1015, 0.2021,
0.1610

■ 38.1420, 0.2799,
0.2817

■ 10.5847, 0.1844,
0.1311

■ 46.9181, 0.2970,
0.3066

■ 7.9376, 0.1698,
0.1049

■ 56.8966, 0.3124,
0.3286

■ 6.0819, 0.1593,
0.0843

■ 68.1208, 0.3262,
0.3479

■ 4.9221, 0.1529,
0.0703

■ 80.6317, 0.3385,
0.3647

■ 93.8386, 0.3470,
0.3796

■ 96.9020, 0.3460,
0.3840

Harmonies

Analogous

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



24.0107, 0.2041, 0.2299



24.0107, 0.2416, 0.2240



24.0107, 0.3017, 0.2404

Triad

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



24.0107, 0.2416, 0.2240



24.0107, 0.4497, 0.3735



24.0107, 0.2495, 0.3919

Complementary

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



24.0107, 0.2416, 0.2240



49.4269, 0.3772, 0.4157

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.



24.0107, 0.3114, 0.4451



24.0107, 0.2416, 0.2240



24.0107, 0.4288, 0.4220

Square

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



24.0107, 0.2416, 0.2240



24.0107, 0.4292, 0.3218



24.0107, 0.3772, 0.4528



24.0107, 0.2074, 0.3197

Rectangle

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



24.0107, 0.2416, 0.2240



24.0107, 0.3488, 0.2618



24.0107, 0.3772, 0.4528



24.0107, 0.2686, 0.4136

Sweetspot

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



24.0116, 0.2416, 0.2240



78.9523, 0.2937, 0.3018



48.3420, 0.2648, 0.3460



16.4492, 0.2915, 0.2986



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.



24.0116, 0.2416, 0.2240



33.8038, 0.2245, 0.1972



23.5220, 0.2643, 0.2148



10.5187, 0.2983, 0.3084



3.2421, 0.1533, 0.0718



0.2321, 0.1617, 0.1022

Inverse Universe

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



26.9467, 0.3990, 0.3146



40.1093, 0.4279, 0.3119



50.8207, 0.3480, 0.4363



10.6603, 0.3268, 0.3259



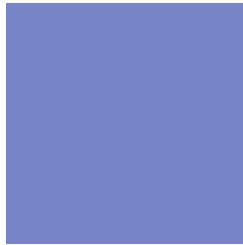
7.8673, 0.6203, 0.3191



0.3804, 0.5725, 0.2927

Previews

White Background



This preview shows how the Yxy color 24.0107, 0.2416, 0.2240 looks on a white background.

Color Contrast Check

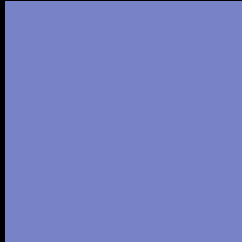
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0107, 0.2416, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

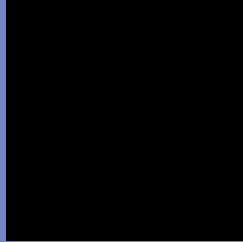
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0107, 0.2416, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 24.0107, 0.2416, 0.2240.

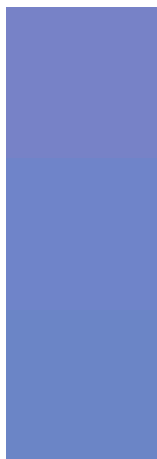


This preview shows how white text looks on a background with the Yxy color 24.0107, 0.2416, 0.2240.

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

24.0107, 0.2416, 0.2240

Protanopia

24.0991, 0.2347, 0.2231

Deuteranopia

23.9781, 0.2339, 0.2275



Tritanopia

24.1163, 0.2697, 0.3093

Trichromacy



Original Color

24.0107, 0.2416, 0.2240

Protanomaly

23.9801, 0.2373, 0.2233

Deuteranomaly

23.9593, 0.2365, 0.2267

Tritanomaly

23.8150, 0.2587, 0.2747

Monochromacy



Original Color

24.0107, 0.2416, 0.2240

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9108, 0.2837, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0107, 0.2416, 0.2240 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(119, 130, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 130, 199)  
}
```

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(119, 130, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 130, 199) }
```

Border

The CSS property to change the border of an element to Yxy 24.0107, 0.2416, 0.2240 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(119, 130, 199) }
```

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

```
.border{ border-color:rgb(119, 130, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 130, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 130, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 130, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 130,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0107, 0.2416, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 130, 199) }
```

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

```
.background{ background-color: rgb(119,  
130, 199) }
```

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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