

Converting Colors

$Y_{xy}(22.8320, 0.2494, 0.2395)$

Have a look what the booklet for
Yxy(22.8320, 0.2494, 0.2395)
contains.

Yxy(22.9431, 0.2501, 0.2407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9431, 0.2501, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	7581B8
RGB	117, 129, 184
RGB Percent	46%, 51%, 72%
CMY	0.5412, 0.4941, 0.2783
CMYK	0.36, 0.30, 0.00, 0.28
HSL	229°, 32%, 59%
HSV	229°, 36%, 72%
XYZ	23.8391, 22.9431, 48.5360
YIQ	131.6820, -24.8070, 14.5610

Conversions

Conversions Part 2

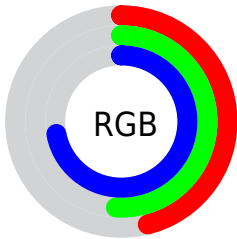
Format	Color
R_{YB}	117, 127, 184
Decimal	7700920
CIE _{Lab}	55.01, 9.23, -30.34
CIE _{LCh}	55, 31.714, 286.917
Yxy	22.9431, 0.2501, 0.2407
Android (android.graphics.Color)	4285891000 (0xFF7581B8)
YUV	131.6820, 25.7928, -12.8761
Hunter-Lab	47.8990, 5.0155, -26.5493

Details

The Yxy color **22.9431, 0.2501, 0.2407** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.9897, 0.3719, 0.4039**, and the grayscale version is **22.8662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4051, 0.2636, 0.2591**, and **8.4998, 0.2271, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **18.1025, 0.2306, 0.2113**, and if you desaturate by 10%, it is **28.6243, 0.2690, 0.2683**.

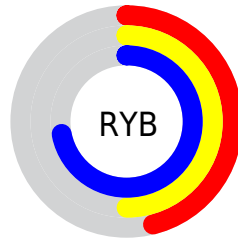
Distribution



Red (46%)

Green (51%)

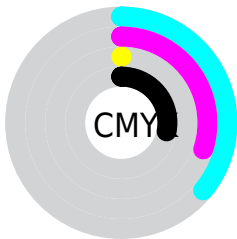
Blue (72%)



Red (46%)

Yellow (50%)

Blue (72%)

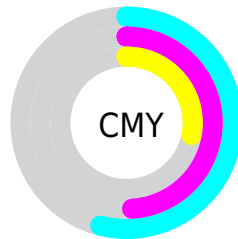


Cyan (36%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (54%)

Magenta (49%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9431, 0.2501, 0.2407 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 22.9431, 0.2501, 0.2407 by changing the saturation by 10% instead.

■ 22.9431, 0.2501,
0.2407

■ 22.9431, 0.2501,
0.2407

267.4326, 0.2846,
0.2878

■ 14.5515, 0.2405,
0.2282

■ 48.2999, 0.2634,
0.2584

■ 8.5052, 0.2276,
0.2117

■ 66.0338, 0.2681,
0.2649

■ 4.4199, 0.2095,
0.1892

■ 87.6507, 0.2721,
0.2703

■ 1.9111, 0.1827,
0.1574

113.5349, 0.2754,
0.2749

■ 0.5550, 0.1414,
0.1043

144.0708, 0.2782,
0.2788

■ 0.0000, 0.0000,
0.0000

179.6428, 0.2806,

0.2822

220.6353, 0.2827,
0.2851

■ 22.9431, 0.2501,
0.2407

■ 22.9431, 0.2501,
0.2407

■ 18.1025, 0.2306,
0.2113

■ 28.6243, 0.2690,
0.2683

■ 14.0595, 0.2114,
0.1810

■ 35.1811, 0.2867,
0.2934

■ 10.7709, 0.1933,
0.1511

■ 42.6498, 0.3030,
0.3159

■ 8.1885, 0.1776,
0.1235

■ 51.0639, 0.3178,
0.3358

■ 6.2581, 0.1652,
0.0999

■ 60.4549, 0.3311,
0.3532

■ 4.9144, 0.1569,
0.0817

■ 70.8531, 0.3429,
0.3683

■ 4.5485, 0.1546,
0.0764

■ 82.2874, 0.3533,
0.3814

■ 92.9962, 0.3562,
0.3942

■ 96.2420, 0.3549,
0.3988

Harmonies

Analogous

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



22.9431, 0.2200, 0.2485



22.9431, 0.2501, 0.2407



22.9431, 0.2989, 0.2527

Triad

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



22.9431, 0.2501, 0.2407



22.9431, 0.4247, 0.3640



22.9431, 0.2658, 0.3848

Complementary

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



22.9431, 0.2501, 0.2407



40.9897, 0.3719, 0.4039

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.



22.9431, 0.3184, 0.4241



22.9431, 0.2501, 0.2407



22.9431, 0.4118, 0.4042

Square

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



22.9431, 0.2501, 0.2407



22.9431, 0.4041, 0.3202



22.9431, 0.3721, 0.4291



22.9431, 0.2279, 0.3280

Rectangle

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



22.9431, 0.2501, 0.2407



22.9431, 0.3372, 0.2700



22.9431, 0.3721, 0.4291



22.9431, 0.2823, 0.4011

Sweetspot

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



22.9440, 0.2501, 0.2407



70.6423, 0.2955, 0.3056



41.0435, 0.2702, 0.3476



14.8399, 0.2933, 0.3025



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.9440, 0.2501, 0.2407



34.1865, 0.2339, 0.2164



21.6035, 0.2678, 0.2266



8.9728, 0.2984, 0.3097



3.2096, 0.1550, 0.0781



0.1932, 0.1672, 0.1220

Inverse Universe

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



24.4989, 0.3834, 0.3121



37.8915, 0.4080, 0.3083



43.3434, 0.3470, 0.4246



9.0378, 0.3260, 0.3249



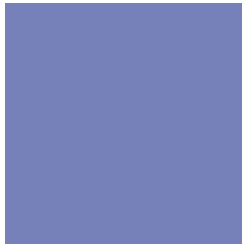
7.1063, 0.6101, 0.3135



0.2586, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 22.9431, 0.2501, 0.2407 looks on a white background.

Color Contrast Check

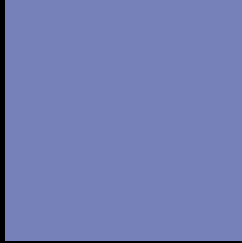
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9431, 0.2501, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

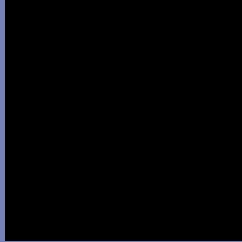
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9431, 0.2501, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 22.9431, 0.2501, 0.2407.



This preview shows how white text looks on a background with the Yxy color 22.9431, 0.2501, 0.2407.

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

22.9431, 0.2501, 0.2407

Protanopia

23.0708, 0.2487, 0.2420

Deuteranopia

22.9367, 0.2470, 0.2416



Tritanopia

22.9030, 0.2733, 0.3090

Trichromacy



Original Color

22.9431, 0.2501, 0.2407

Protanomaly

23.1390, 0.2495, 0.2422

Deuteranomaly

23.0034, 0.2478, 0.2418

Tritanomaly

22.6926, 0.2645, 0.2819

Monochromacy



Original Color

22.9431, 0.2501, 0.2407

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9790, 0.2880, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9431, 0.2501, 0.2407 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(117, 129, 184)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 184)  
}
```

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(117, 129, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.9431, 0.2501, 0.2407 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(117, 129, 184) }
```

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

```
.border{ border-color:rgb(117, 129, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 184);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9431, 0.2501, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 184) }
```

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

```
.background{ background-color: rgb(117,  
129, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor