

Converting Colors

$Y_{xy}(23.2242, 0.2764, 0.2838)$

Have a look what the booklet for
Yxy(23.2242, 0.2764, 0.2838)
contains.

Yxy(23.2167, 0.2766, 0.2832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2167, 0.2766, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	7B849F
RGB	123, 132, 159
RGB Percent	48%, 52%, 62%
CMY	0.5177, 0.4823, 0.3765
CMYK	0.23, 0.17, 0.00, 0.38
HSL	225°, 16%, 55%
HSV	225°, 23%, 62%
XYZ	22.6756, 23.2167, 36.0875
YIQ	132.3870, -14.0310, 6.4890

Conversions

Conversions Part 2

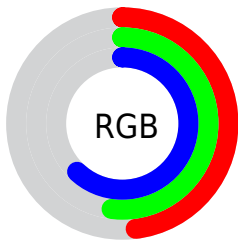
Format	Color
R_{YB}	123, 130, 159
Decimal	8094879
CIE _{Lab}	55.29, 2.80, -15.49
CIE _{LCh}	55, 15.737, 280.251
Yxy	23.2167, 0.2766, 0.2832
Android (android.graphics.Color)	4286284959 (0xFF7B849F)
YUV	132.3870, 13.1202, -8.2324
Hunter-Lab	48.1837, -0.3180, -10.6771

Details

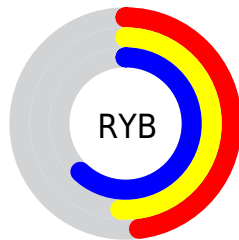
The Yxy color **23.2167, 0.2766, 0.2832** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.6057, 0.3488, 0.3710**, and the grayscale version is **23.1764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7831, 0.2843, 0.2926**, and **8.6857, 0.2618, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **19.0893, 0.2588, 0.2593**, and if you desaturate by 10%, it is **27.9056, 0.2933, 0.3049**.

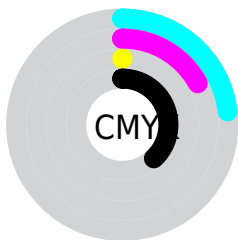
Distribution



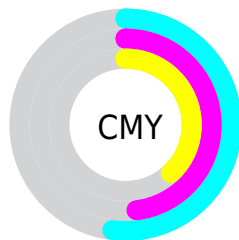
- Red (48%)
- Green (52%)
- Blue (62%)



- Red (48%)
- Yellow (51%)
- Blue (62%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (38%)



- Cyan (52%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2167, 0.2766, 0.2832 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 23.2167, 0.2766, 0.2832 by changing the saturation by 10% instead.

■ 23.2167, 0.2766,
0.2832

■ 23.2167, 0.2766,
0.2832

268.8361, 0.2966,
0.3084

■ 14.7536, 0.2708,
0.2761

■ 48.7489, 0.2844,
0.2929

■ 8.6466, 0.2629,
0.2664

■ 66.5868, 0.2872,
0.2964

■ 4.5114, 0.2515,
0.2525

■ 88.3184, 0.2895,
0.2993

■ 1.9636, 0.2334,
0.2308

114.3281, 0.2914,
0.3017

■ 0.5862, 0.1987,
0.1862

145.0004, 0.2930,
0.3037

■ 0.0000, 0.0000,
0.0000

180.7195, 0.2944,

0.3055

221.8699, 0.2956,
0.3070

■ 23.2167, 0.2766,
0.2832

■ 23.2167, 0.2766,
0.2832

■ 19.0893, 0.2588,
0.2593

■ 27.9056, 0.2933,
0.3049

■ 15.4991, 0.2405,
0.2333

■ 33.1735, 0.3088,
0.3242

■ 12.4239, 0.2220,
0.2060

■ 39.0407, 0.3230,
0.3413

■ 9.8391, 0.2043,
0.1782

■ 45.5255, 0.3358,
0.3563

■ 7.7177, 0.1882,
0.1510

■ 52.6456, 0.3474,
0.3694

■ 6.0300, 0.1746,
0.1258

■ 60.4177, 0.3578,
0.3808

■ 4.7423, 0.1644,
0.1041

■ 68.8582, 0.3671,
0.3907

■ 4.0103, 0.1585,
0.0907

■ 77.9826, 0.3754,
0.3993

■ 85.6431, 0.3748,
0.4092

Harmonies

Analogous

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



23.2167, 0.2627, 0.2912



23.2167, 0.2766, 0.2832



23.2167, 0.3004, 0.2867

Triad

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



23.2167, 0.2766, 0.2832



23.2167, 0.3669, 0.3440



23.2167, 0.2955, 0.3606

Complementary

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



23.2167, 0.2766, 0.2832



30.6057, 0.3488, 0.3710

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.



23.2167, 0.3231, 0.3761



23.2167, 0.2766, 0.2832



23.2167, 0.3650, 0.3648

Square

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



23.2167, 0.2766, 0.2832



23.2167, 0.3533, 0.3208



23.2167, 0.3487, 0.3771



23.2167, 0.2732, 0.3357

Rectangle

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



23.2167, 0.2766, 0.2832



23.2167, 0.3192, 0.2947



23.2167, 0.3487, 0.3771



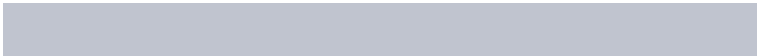
23.2167, 0.3045, 0.3672

Sweetspot

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



23.2176, 0.2766, 0.2832



55.0527, 0.3020, 0.3159



31.1892, 0.2877, 0.3448



12.2958, 0.3012, 0.3148



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.2176, 0.2766, 0.2832



37.8639, 0.2681, 0.2718



21.5210, 0.2844, 0.2689



6.6920, 0.2988, 0.3118



3.2258, 0.1589, 0.0921



0.1186, 0.1786, 0.1629

Inverse Universe

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



23.1988, 0.3466, 0.3147



37.9714, 0.3561, 0.3115



32.7674, 0.3373, 0.3856



6.6721, 0.3247, 0.3234



5.9479, 0.5879, 0.3012



0.1125, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 23.2167, 0.2766, 0.2832 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 23.2167, 0.2766, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

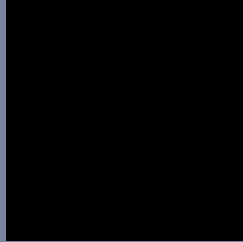
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

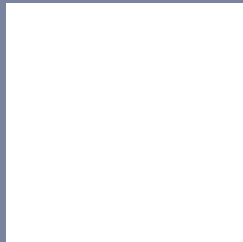
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2167, 0.2766, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 23.2167, 0.2766, 0.2832.



This preview shows how white text looks on a background with the Yxy color 23.2167, 0.2766, 0.2832.

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

23.2167, 0.2766, 0.2832

Protanopia

23.1368, 0.2804, 0.2834

Deuteranopia

23.1441, 0.2845, 0.2777



Tritanopia

23.0876, 0.2867, 0.3095

Trichromacy



Original Color

23.2167, 0.2766, 0.2832

Protanomaly

23.0612, 0.2794, 0.2833

Deuteranomaly

23.1705, 0.2815, 0.2790

Tritanomaly

23.0420, 0.2829, 0.2993

Monochromacy



Original Color

23.2167, 0.2766, 0.2832

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1226, 0.2990, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2167, 0.2766, 0.2832 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(123, 132, 159)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 159)  
}
```

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(123, 132, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 159) }
```

Border

The CSS property to change the border of an element to Yxy 23.2167, 0.2766, 0.2832 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(123, 132, 159) }
```

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

```
.border{ border-color:rgb(123, 132, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 132, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 159);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
159) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2167, 0.2766, 0.2832$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 159) }
```

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

```
.background{ background-color: rgb(123,  
132, 159) }
```

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