

Converting Colors

$Y_{xy}(23.8989, 0.2460, 0.3103)$

Have a look what the booklet for
Yxy(23.8989, 0.2460, 0.3103)
contains.

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Color

Yxy(23.8993, 0.2460, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	4E909A
RGB	78, 144, 154
RGB Percent	31%, 56%, 60%
CMY	0.6938, 0.4353, 0.3960
CMYK	0.49, 0.07, 0.00, 0.40
HSL	188°, 33%, 46%
HSV	188°, 49%, 60%
XYZ	18.9530, 23.8993, 34.1925
YIQ	125.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

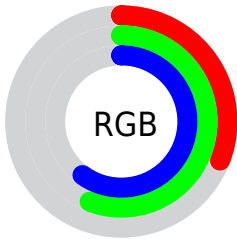
Format	Color
R_{YB}	78, 113, 154
Decimal	5148826
CIE _{Lab}	55.99, -18.18, -11.83
CIE _{LCh}	56, 21.685, 213.052
Yxy	23.8993, 0.2460, 0.3102
Android (android.graphics.Color)	4283338906 (0xFF4E909A)
YUV	125.4060, 14.0968, -41.5751
Hunter-Lab	48.8869, -16.3492, -7.2478

Details

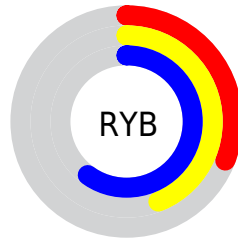
The Yxy color **23.8993, 0.2460, 0.3102** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.4180, 0.4369, 0.3460**, and the grayscale version is **20.6207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8478, 0.2600, 0.3153**, and **8.9271, 0.2218, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **22.7131, 0.2360, 0.3058**, and if you desaturate by 10%, it is **25.2508, 0.2575, 0.3145**.

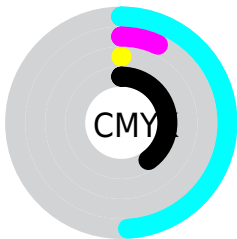
Distribution



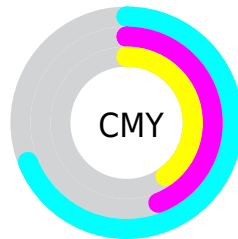
- Red (31%)
- Green (56%)
- Blue (60%)



- Red (31%)
- Yellow (44%)
- Blue (60%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)




- Cyan (69%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8993, 0.2460, 0.3102 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 23.8993, 0.2460, 0.3102 by changing the saturation by 10% instead.


 23.8993, 0.2460,
0.3102


 23.8993, 0.2460,
0.3102


272.3110, 0.2823,
0.3214


 15.2589, 0.2359,
0.3066


 49.8658, 0.2599,
0.3148


 9.0013, 0.2223,
0.3015


 67.9608, 0.2649,
0.3164


 4.7420, 0.2031,
0.2936

 89.9760, 0.2690,
0.3176

 2.0967, 0.1741,
0.2799

 116.2960, 0.2725,
0.3186

 0.6628, 0.0738,
0.2627

 147.3051, 0.2755,
0.3195

 0.0000, 0.0000,
0.0000

183.3877, 0.2781,

0.3202

224.9282, 0.2803,
0.3209

■ 23.8993, 0.2460,
0.3102

■ 23.8993, 0.2460,
0.3102

■ 22.7131, 0.2360,
0.3058

■ 25.2508, 0.2575,
0.3145

■ 21.6787, 0.2277,
0.3012

■ 26.7747, 0.2704,
0.3186

■ 20.7846, 0.2212,
0.2967

■ 28.4809, 0.2842,
0.3224

■ 20.0166, 0.2166,
0.2921

■ 30.3777, 0.2988,
0.3260

■ 19.3426, 0.2134,
0.2876

■ 32.4729, 0.3138,
0.3292

■ 19.2971, 0.2132,
0.2873

■ 34.7740, 0.3289,
0.3322

■ 37.2877, 0.3441,
0.3348

■ 40.0209, 0.3590,
0.3372

■ 42.9797, 0.3736,
0.3393

Harmonies

Analogous

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



23.8993, 0.2652, 0.3467



23.8993, 0.2460, 0.3102



23.8993, 0.2435, 0.2822

Triad

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



23.8993, 0.2460, 0.3102



23.8993, 0.3248, 0.2851



23.8993, 0.3682, 0.3918

Complementary

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



23.8993, 0.2460, 0.3102



14.4180, 0.4369, 0.3460

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.



23.8993, 0.3867, 0.3705



23.8993, 0.2460, 0.3102



23.8993, 0.3611, 0.3103

Square

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



23.8993, 0.2460, 0.3102



23.8993, 0.2871, 0.2700



23.8993, 0.3843, 0.3409



23.8993, 0.3353, 0.3964

Rectangle

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



23.8993, 0.2460, 0.3102



23.8993, 0.2514, 0.2713



23.8993, 0.3843, 0.3409



23.8993, 0.3764, 0.3861

Sweetspot

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



23.9002, 0.2460, 0.3102



53.0646, 0.2900, 0.3239



25.4262, 0.2992, 0.4632



11.8609, 0.2871, 0.3231



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.9002, 0.2460, 0.3102



41.0760, 0.2352, 0.3054



14.5101, 0.2322, 0.2363



6.8874, 0.2989, 0.3260



15.7554, 0.2133, 0.2877



0.2693, 0.2188, 0.3078

Inverse Universe

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



14.3439, 0.3323, 0.2260



22.1396, 0.3377, 0.2070



22.0656, 0.4048, 0.4055



6.3096, 0.3156, 0.3099



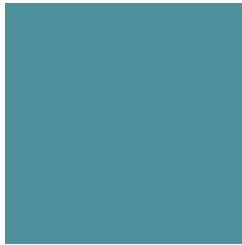
6.9958, 0.3564, 0.1737



0.1080, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 23.8993, 0.2460, 0.3102 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 23.8993, 0.2460, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

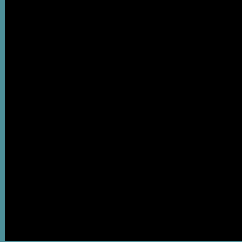
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8993, 0.2460, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 23.8993, 0.2460, 0.3102.

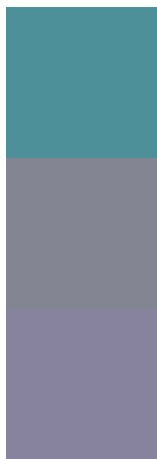


This preview shows how white text looks on a background with the Yxy color 23.8993, 0.2460, 0.3102.

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

23.8993, 0.2460, 0.3102

Protanopia

23.7872, 0.2973, 0.3052

Deuteranopia

23.5505, 0.2906, 0.2845



Tritanopia

23.9753, 0.2459, 0.3085

Trichromacy



Original Color

23.8993, 0.2460, 0.3102

Protanomaly

23.5381, 0.2746, 0.3059

Deuteranomaly

23.3057, 0.2710, 0.2923

Tritanomaly

23.9753, 0.2459, 0.3085

Monochromacy



Original Color

23.8993, 0.2460, 0.3102

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4682, 0.2827, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8993, 0.2460, 0.3102 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(78, 144, 154)` looks like.

```
.text, #text, p{  
    color:rgb(78, 144, 154)  
}
```

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(78, 144, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 144, 154) }
```

Border

The CSS property to change the border of an element to Yxy 23.8993, 0.2460, 0.3102 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(78, 144, 154) }
```

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

```
.border{ border-color:rgb(78, 144, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 144, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 144, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 144, 154);  
box-shadow:4px 4px 4px 4px rgb(78, 144,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8993, 0.2460, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 144, 154) }
```

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

```
.background{ background-color: rgb(78, 144,  
154) }
```

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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