

Converting Colors

$Y_{xy}(23.9420, 0.2483, 0.3125)$

Have a look what the booklet for
Yxy(23.9420, 0.2483, 0.3125)
contains.

Yxy(23.9519, 0.2480, 0.3121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9519, 0.2480, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	509099
RGB	80, 144, 153
RGB Percent	31%, 56%, 60%
CMY	0.6862, 0.4353, 0.4000
CMYK	0.48, 0.06, 0.00, 0.40
HSL	187°, 31%, 46%
HSV	187°, 48%, 60%
XYZ	19.0326, 23.9519, 33.7598
YIQ	125.8900, -41.0330, -10.7690

Conversions

Conversions Part 2

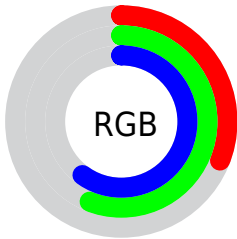
Format	Color
R_{YB}	80, 114, 153
Decimal	5279897
CIE _{Lab}	56.04, -17.99, -11.16
CIE _{LCh}	56, 21.175, 211.806
Yxy	23.9519, 0.2480, 0.3121
Android (android.graphics.Color)	4283469977 (0xFF509099)
YUV	125.8900, 13.3652, -40.2455
Hunter-Lab	48.9407, -16.2291, -6.6404

Details

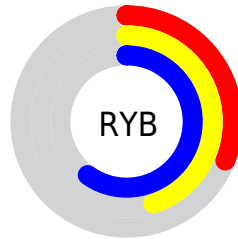
The Yxy color **23.9519, 0.2480, 0.3121** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5014, 0.4314, 0.3445**, and the grayscale version is **20.7908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9615, 0.2617, 0.3167**, and **8.9586, 0.2248, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **22.7935, 0.2378, 0.3080**, and if you desaturate by 10%, it is **25.2734, 0.2597, 0.3161**.

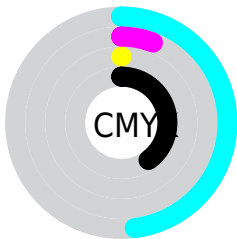
Distribution



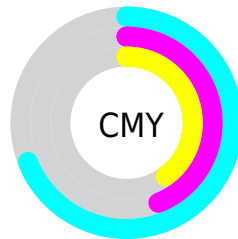
- Red (31%)
- Green (56%)
- Blue (60%)



- Red (31%)
- Yellow (45%)
- Blue (60%)



- Cyan (48%)
- Magenta (6%)
- Yellow (0%)
- Black (40%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9519, 0.2480, 0.3121 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 23.9519, 0.2480, 0.3121 by changing the saturation by 10% instead.


 23.9519, 0.2480,
0.3121

 23.9519, 0.2480,
0.3121


272.5772, 0.2832,
0.3222


 15.2979, 0.2382,
0.3089


 49.9517, 0.2615,
0.3163

 9.0288, 0.2250,
0.3042


 68.0663, 0.2664,
0.3177


 4.7599, 0.2062,
0.2969

 90.1033, 0.2704,
0.3188

 2.1071, 0.1778,
0.2844

 116.4470, 0.2738,
0.3197

 0.6686, 0.0791,
0.2694

 147.4819, 0.2766,
0.3205

 0.0000, 0.0000,
0.0000

183.5923, 0.2791,

0.3212

225.1626, 0.2813,
0.3217

■ 23.9519, 0.2480,
0.3121

■ 23.9519, 0.2480,
0.3121

■ 22.7935, 0.2378,
0.3080

■ 25.2734, 0.2597,
0.3161

■ 21.7850, 0.2294,
0.3038

■ 26.7647, 0.2726,
0.3198

■ 20.9154, 0.2227,
0.2995

■ 28.4354, 0.2865,
0.3234

■ 20.1712, 0.2179,
0.2953

■ 30.2937, 0.3012,
0.3267

■ 19.5278, 0.2146,
0.2911

■ 32.3472, 0.3162,
0.3297

■ 19.3849, 0.2139,
0.2902

■ 34.6031, 0.3314,
0.3324

■ 37.0680, 0.3466,
0.3348

■ 39.7485, 0.3615,
0.3370

■ 42.6507, 0.3760,
0.3389

Harmonies

Analogous

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



23.9519, 0.2675, 0.3478



23.9519, 0.2480, 0.3121



23.9519, 0.2449, 0.2842

Triad

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



23.9519, 0.2480, 0.3121



23.9519, 0.3230, 0.2852



23.9519, 0.3680, 0.3897

Complementary

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



23.9519, 0.2480, 0.3121



14.5014, 0.4314, 0.3445

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.



23.9519, 0.3852, 0.3685



23.9519, 0.2480, 0.3121



23.9519, 0.3587, 0.3096

Square

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



23.9519, 0.2480, 0.3121



23.9519, 0.2863, 0.2710



23.9519, 0.3820, 0.3394



23.9519, 0.3363, 0.3949

Rectangle

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



23.9519, 0.2480, 0.3121



23.9519, 0.2521, 0.2731



23.9519, 0.3820, 0.3394



23.9519, 0.3758, 0.3840

Sweetspot

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



23.9528, 0.2480, 0.3121



52.0211, 0.2915, 0.3245



25.2045, 0.2996, 0.4580



11.3445, 0.2886, 0.3239



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.9528, 0.2480, 0.3121



40.7347, 0.2374, 0.3078



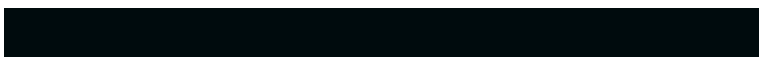
14.7308, 0.2350, 0.2400



6.8964, 0.2989, 0.3262



16.0524, 0.2140, 0.2905



0.2718, 0.2192, 0.3092

Inverse Universe

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



14.5265, 0.3306, 0.2282



22.2077, 0.3354, 0.2094



22.0267, 0.4012, 0.4031



6.3105, 0.3155, 0.3097



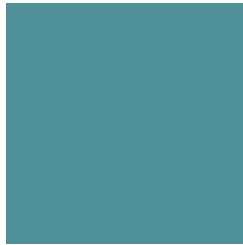
7.0258, 0.3539, 0.1723



0.1083, 0.3374, 0.1633

Previews

White Background



This preview shows how the Yxy color 23.9519, 0.2480, 0.3121 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 23.9519, 0.2480, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

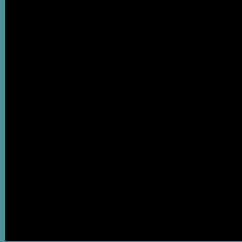
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9519, 0.2480, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 23.9519, 0.2480, 0.3121.

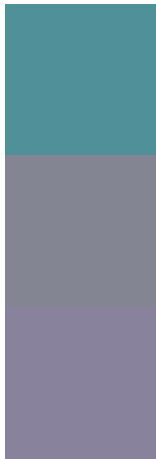


This preview shows how white text looks on a background with the Yxy color 23.9519, 0.2480, 0.3121.

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

23.9519, 0.2480, 0.3121

Protanopia

23.7559, 0.2983, 0.3069

Deuteranopia

23.5998, 0.2927, 0.2862



Tritanopia

24.0624, 0.2473, 0.3086

Trichromacy



Original Color

23.9519, 0.2480, 0.3121

Protanomaly

23.5720, 0.2764, 0.3076

Deuteranomaly

23.4075, 0.2738, 0.2942

Tritanomaly

24.0289, 0.2480, 0.3103

Monochromacy



Original Color

23.9519, 0.2480, 0.3121

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8038, 0.2838, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9519, 0.2480, 0.3121 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(80, 144, 153)` looks like.

```
.text, #text, p{  
  color:rgb(80, 144, 153)  
}
```

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(80, 144, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.9519, 0.2480, 0.3121 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(80, 144, 153) }
```

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

```
.border{ border-color:rgb(80, 144, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 153);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9519, 0.2480, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 153) }
```

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

```
.background{ background-color: rgb(80, 144,  
153) }
```

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