

Converting Colors

$Y_{xy}(23.3067, 0.2473, 0.3224)$

Have a look what the booklet for
Yxy(23.3067, 0.2473, 0.3224)
contains.

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Color

Yxy(23.4696, 0.2476, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	499093
RGB	73, 144, 147
RGB Percent	29%, 56%, 58%
CMY	0.7138, 0.4353, 0.4235
CMYK	0.50, 0.02, 0.00, 0.42
HSL	182°, 34%, 43%
HSV	182°, 50%, 58%
XYZ	17.9854, 23.4696, 31.1838
YIQ	123.1130, -43.2790, -14.1190

Conversions

Conversions Part 2

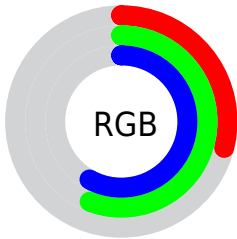
Format	Color
R_{YB}	73, 109, 147
Decimal	4821139
CIE _{Lab}	55.55, -21.36, -8.46
CIE _{LCh}	56, 22.979, 201.615
Yxy	23.4696, 0.2476, 0.3231
Android (android.graphics.Color)	4283011219 (0xFF499093)
YUV	123.1130, 11.7763, -43.9491
Hunter-Lab	48.4454, -18.5114, -4.2526

Details

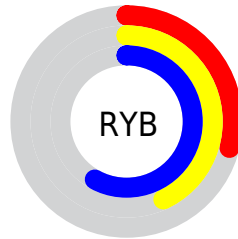
The Yxy color **23.4696, 0.2476, 0.3231** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.8470, 0.4466, 0.3345**, and the grayscale version is **19.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1172, 0.2611, 0.3247**, and **8.7369, 0.2234, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **22.7835, 0.2389, 0.3218**, and if you desaturate by 10%, it is **24.2942, 0.2580, 0.3244**.

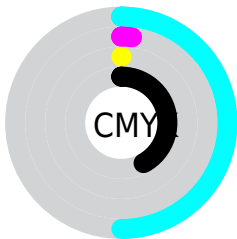
Distribution



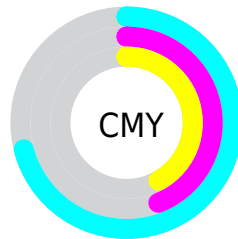
- Red (29%)
- Green (56%)
- Blue (58%)



- Red (29%)
- Yellow (43%)
- Blue (58%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (42%)





- Cyan (71%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4696, 0.2476, 0.3231 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 23.4696, 0.2476, 0.3231 by changing the saturation by 10% instead.

 23.4696, 0.2476,
0.3231


 23.4696, 0.2476,
0.3231


270.1279, 0.2832,
0.3271


 14.9406, 0.2376,
0.3216


 49.1633, 0.2613,
0.3249


 8.7777, 0.2241,
0.3193


 67.0968, 0.2662,
0.3255


 4.5965, 0.2047,
0.3153

 88.9339, 0.2703,
0.3259

 2.0125, 0.1752,
0.3077

 115.0591, 0.2737,
0.3263

 0.6147, 0.0319,
0.3120

 145.8566, 0.2766,
0.3265

 0.0000, 0.0000,
0.0000

181.7110, 0.2791,

0.3268

223.0066, 0.2813,
0.3270

■ 23.4696, 0.2476,
0.3231

■ 23.4696, 0.2476,
0.3231

■ 22.7835, 0.2389,
0.3218

■ 24.2942, 0.2580,
0.3244

■ 22.2234, 0.2319,
0.3205

■ 25.2632, 0.2700,
0.3256

■ 21.7793, 0.2268,
0.3191

■ 26.3857, 0.2831,
0.3268

■ 21.4381, 0.2234,
0.3178

■ 27.6691, 0.2973,
0.3279

■ 21.1740, 0.2213,
0.3166

■ 29.1203, 0.3122,
0.3290

■ 30.7459, 0.3275,
0.3299

■ 32.5521, 0.3430,
0.3308

■ 34.5447, 0.3585,
0.3315

■ 36.7294, 0.3737,
0.3322

Harmonies

Analogous

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



23.4696, 0.2739, 0.3626



23.4696, 0.2476, 0.3231



23.4696, 0.2381, 0.2887

Triad

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



23.4696, 0.2476, 0.3231



23.4696, 0.3097, 0.2748



23.4696, 0.3816, 0.3887

Complementary

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



23.4696, 0.2476, 0.3231



11.8470, 0.4466, 0.3345

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.



23.4696, 0.3935, 0.3614



23.4696, 0.2476, 0.3231



23.4696, 0.3505, 0.2979

Square

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



23.4696, 0.2476, 0.3231



23.4696, 0.2721, 0.2639



23.4696, 0.3820, 0.3288



23.4696, 0.3512, 0.4016

Rectangle

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



23.4696, 0.2476, 0.3231



23.4696, 0.2419, 0.2733



23.4696, 0.3820, 0.3288



23.4696, 0.3880, 0.3807

Sweetspot

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



23.4705, 0.2476, 0.3231



48.3796, 0.2902, 0.3274



22.7957, 0.3037, 0.4786



10.9447, 0.2875, 0.3272



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.4705, 0.2476, 0.3231



40.7078, 0.2382, 0.3217



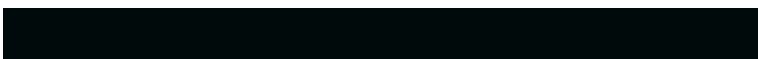
14.1454, 0.2333, 0.2477



6.5225, 0.2990, 0.3281



18.3668, 0.2213, 0.3167



0.2348, 0.2231, 0.3232

Inverse Universe

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



12.9781, 0.3225, 0.2152



19.9183, 0.3247, 0.1954



18.3717, 0.4121, 0.3969



5.9052, 0.3143, 0.3080



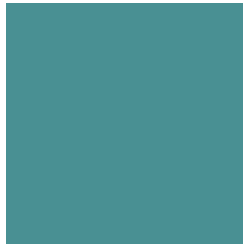
7.0475, 0.3310, 0.1597



0.0873, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 23.4696, 0.2476, 0.3231 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 23.4696, 0.2476, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

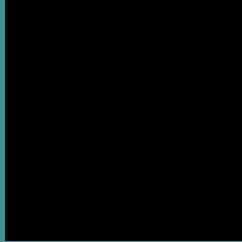
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4696, 0.2476, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 23.4696, 0.2476, 0.3231.

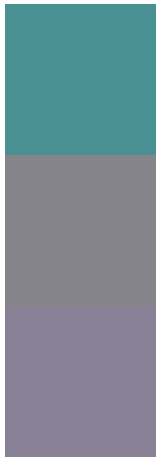


This preview shows how white text looks on a background with the Yxy color 23.4696, 0.2476, 0.3231.

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

23.4696, 0.2476, 0.3231

Protanopia

23.3532, 0.3065, 0.3170

Deuteranopia

23.2209, 0.2997, 0.2940



Tritanopia

23.5145, 0.2443, 0.3083

Trichromacy



Original Color

23.4696, 0.2476, 0.3231

Protanomaly

22.9408, 0.2806, 0.3180

Deuteranomaly

22.7975, 0.2770, 0.3023

Tritanomaly

23.3751, 0.2457, 0.3137

Monochromacy



Original Color

23.4696, 0.2476, 0.3231

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9018, 0.2833, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4696, 0.2476, 0.3231 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(73, 144, 147)` looks like.

```
.text, #text, p{  
  color:rgb(73, 144, 147)  
}
```

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(73, 144, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 144, 147) }
```

Border

The CSS property to change the border of an element to Yxy 23.4696, 0.2476, 0.3231 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(73, 144, 147) }
```

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

```
.border{ border-color:rgb(73, 144, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 144, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 144, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 144, 147);  
box-shadow:4px 4px 4px 4px rgb(73, 144,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4696, 0.2476, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 144, 147) }
```

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

```
.background{ background-color: rgb(73, 144,  
147) }
```

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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