

Converting Colors

$Y_{xy}(23.6806, 0.2455, 0.3430)$

Have a look what the booklet for
Yxy(23.6806, 0.2455, 0.3430)
contains.

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Color

$\text{Yxy}(23.6907, 0.2454, 0.3426)$

Conversions

Conversions Part 1

Format	Color
Hex	3B938C
RGB	59, 147, 140
RGB Percent	23%, 58%, 55%
CMY	0.7688, 0.4235, 0.4510
CMYK	0.60, 0.00, 0.05, 0.42
HSL	175°, 43%, 40%
HSV	175°, 60%, 58%
XYZ	16.9693, 23.6907, 28.4897
YIQ	119.8900, -50.2010, -20.8330

Conversions

Conversions Part 2

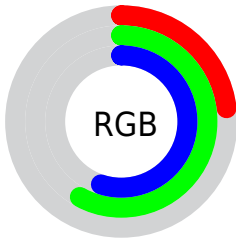
Format	Color
RYB	59, 105, 147
Decimal	3904396
CIELab	55.78, -27.84, -4.17
CIELCh	56, 28.149, 188.513
Yxy	23.6907, 0.2454, 0.3426
Android (android.graphics.Color)	4282094476 (0xFF3B938C)
YUV	119.8900, 9.9142, -53.4005
Hunter-Lab	48.6731, -22.9458, -0.6329

Details

The Yxy color **23.6907, 0.2454, 0.3426** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7210, 0.4771, 0.3181**, and the grayscale version is **18.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3365, 0.2600, 0.3402**, and **9.1039, 0.2297, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **23.2699, 0.2393, 0.3452**, and if you desaturate by 10%, it is **24.2402, 0.2533, 0.3400**.

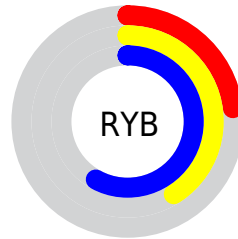
Distribution



Red (23%)

Green (58%)

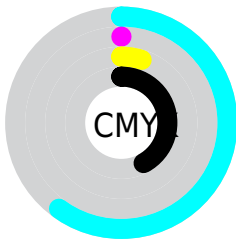
Blue (55%)



Red (23%)

Yellow (41%)

Blue (58%)

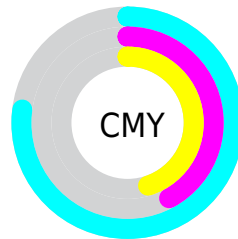


Cyan (60%)

Magenta (0%)

Yellow (5%)

Black (42%)



Cyan (77%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6907, 0.2454, 0.3426 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 23.6907, 0.2454, 0.3426 by changing the saturation by 10% instead.


 23.6907, 0.2454,
0.3426


 23.6907, 0.2454,
0.3426

271.2530, 0.2823,
0.3356

 15.1043, 0.2350,
0.3443


 49.5250, 0.2597,
0.3401

 8.8926, 0.2208,
0.3465


 67.5417, 0.2648,
0.3391

 4.6712, 0.2006,
0.3493

 89.4707, 0.2690,
0.3383

 2.0557, 0.1694,
0.3524

 115.6963, 0.2725,
0.3376

 0.6395, 0.0000,
0.3930

 146.6029, 0.2755,
0.3370

 0.0000, 0.0000,
0.0000

182.5750, 0.2781,

0.3365

223.9969, 0.2803,
0.3360

■ 23.6907, 0.2454,
0.3426

■ 23.6907, 0.2454,
0.3426

■ 23.2699, 0.2393,
0.3452

■ 24.2402, 0.2533,
0.3400

■ 22.9641, 0.2351,
0.3479

■ 24.9253, 0.2628,
0.3376

■ 22.7614, 0.2326,
0.3505

■ 25.7556, 0.2737,
0.3352

■ 22.6288, 0.2314,
0.3531

■ 26.7392, 0.2859,
0.3330

■ 22.6274, 0.2314,
0.3531

■ 27.8834, 0.2990,
0.3309

■ 29.1952, 0.3129,
0.3290

■ 30.6812, 0.3271,
0.3273

■ 32.3475, 0.3416,
0.3257

■ 34.1999, 0.3560,
0.3244

Harmonies

Analogous

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



23.6907, 0.2839, 0.3895



23.6907, 0.2454, 0.3426



23.6907, 0.2252, 0.2957

Triad

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



23.6907, 0.2454, 0.3426



23.6907, 0.2874, 0.2563



23.6907, 0.4061, 0.3873

Complementary

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



23.6907, 0.2454, 0.3426



9.7210, 0.4771, 0.3181

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.



23.6907, 0.4089, 0.3500



23.6907, 0.2454, 0.3426



23.6907, 0.3372, 0.2780

Square

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



23.6907, 0.2454, 0.3426



23.6907, 0.2479, 0.2506



23.6907, 0.3830, 0.3112



23.6907, 0.3772, 0.4133

Rectangle

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



23.6907, 0.2454, 0.3426



23.6907, 0.2235, 0.2721



23.6907, 0.3830, 0.3112



23.6907, 0.4103, 0.3756

Sweetspot

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



23.6916, 0.2454, 0.3426



48.1742, 0.2878, 0.3326



22.3535, 0.3096, 0.5129



10.8803, 0.2844, 0.3332



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.



23.6916, 0.2454, 0.3426



41.4500, 0.2376, 0.3462



14.2571, 0.2239, 0.2518



6.5544, 0.3000, 0.3307



19.6167, 0.2314, 0.3530



0.2420, 0.2278, 0.3399

Inverse Universe

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



9.7210, 0.4771, 0.3181



14.0814, 0.5375, 0.3182



14.8209, 0.4479, 0.3911



5.8224, 0.3270, 0.3273



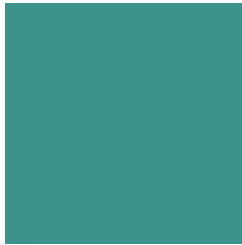
5.4018, 0.6283, 0.3235



0.0676, 0.5767, 0.2951

Previews

White Background



This preview shows how the Yxy color 23.6907, 0.2454, 0.3426 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 23.6907, 0.2454, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

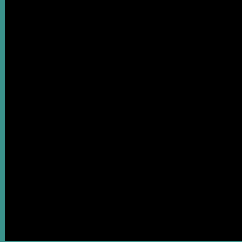
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6907, 0.2454, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 23.6907, 0.2454, 0.3426.



This preview shows how white text looks on a background with the Yxy color 23.6907, 0.2454, 0.3426.

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

23.6907, 0.2454, 0.3426

Protanopia

23.2921, 0.3172, 0.3307

Deuteranopia

23.3769, 0.3104, 0.3040



Tritanopia

23.8093, 0.2378, 0.3082

Trichromacy



Original Color

23.6907, 0.2454, 0.3426

Protanomaly

22.7384, 0.2841, 0.3345

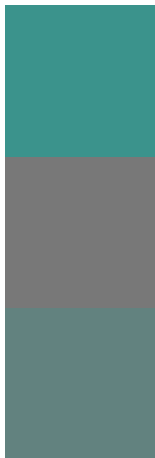
Deuteranomaly

22.9710, 0.2797, 0.3162

Tritanomaly

23.8165, 0.2405, 0.3211

Monochromacy



Original Color

23.6907, 0.2454, 0.3426

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.0942, 0.2808, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6907, 0.2454, 0.3426 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(59, 147, 140)` looks like.

```
.text, #text, p{  
  color:rgb(59, 147, 140)  
}
```

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(59, 147, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 147, 140) }
```

Border

The CSS property to change the border of an element to Yxy 23.6907, 0.2454, 0.3426 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(59, 147, 140) }
```

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

```
.border{ border-color:rgb(59, 147, 140) }
```

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

Here you see how a box with a 4 pixel rgb(59, 147, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 147, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 147, 140);  
box-shadow:4px 4px 4px 4px rgb(59, 147,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6907, 0.2454, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 147, 140) }
```

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

```
.background{ background-color: rgb(59, 147,  
140) }
```

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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