

Converting Colors

$Y_{xy}(23.8672, 0.2367, 0.3156)$

Have a look what the booklet for
Yxy(23.8672, 0.2367, 0.3156)
contains.

Yxy(23.7875, 0.2365, 0.3154)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7875, 0.2365, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	3B9299
RGB	59, 146, 153
RGB Percent	23%, 57%, 60%
CMY	0.7683, 0.4275, 0.3999
CMYK	0.61, 0.05, 0.00, 0.40
HSL	184°, 44%, 42%
HSV	184°, 61%, 60%
XYZ	17.8369, 23.7875, 33.7957
YIQ	120.7850, -54.0990, -16.2670

Conversions

Conversions Part 2

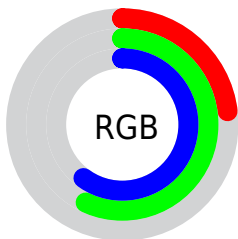
Format	Color
RYB	59, 104, 153
Decimal	3904153
CIELab	55.87, -23.54, -11.49
CIElCh	56, 26.197, 206.021
Yxy	23.7875, 0.2365, 0.3154
Android (android.graphics.Color)	4282094233 (0xFF3B9299)
YUV	120.7850, 15.8820, -54.1854
Hunter-Lab	48.7724, -20.0715, -6.9430

Details

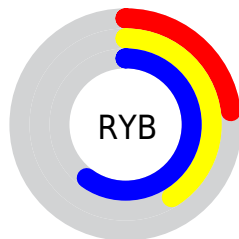
The Yxy color **23.7875, 0.2365, 0.3154** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9998, 0.4915, 0.3403**, and the grayscale version is **19.0159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5955, 0.2526, 0.3192**, and **9.1437, 0.2191, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **23.0356, 0.2293, 0.3129**, and if you desaturate by 10%, it is **24.6818, 0.2455, 0.3179**.

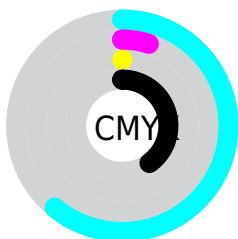
Distribution



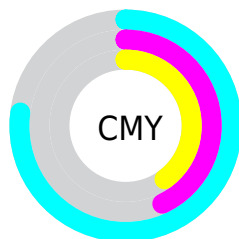
- Red (23%)
- Green (57%)
- Blue (60%)



- Red (23%)
- Yellow (41%)
- Blue (60%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)





- Cyan (77%)
- Magenta (43%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7875, 0.2365, 0.3154 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 23.7875, 0.2365, 0.3154 by changing the saturation by 10% instead.


 23.7875, 0.2365,
0.3154

 23.7875, 0.2365,
0.3154


271.7444, 0.2778,
0.3240


 15.1761, 0.2251,
0.3125


 49.6832, 0.2523,
0.3191


 8.9430, 0.2097,
0.3081


 67.7363, 0.2580,
0.3203


 4.7041, 0.1882,
0.3011

 89.7053, 0.2627,
0.3212

 2.0747, 0.1561,
0.2886

 115.9748, 0.2667,
0.3220

 0.6503, 0.0188,
0.2809

 146.9290, 0.2701,
0.3226

 0.0000, 0.0000,
0.0000

182.9524, 0.2730,

0.3232

224.4294, 0.2756,
0.3236

■ 23.7875, 0.2365,
0.3154

■ 23.7875, 0.2365,
0.3154

■ 23.0356, 0.2293,
0.3129

■ 24.6818, 0.2455,
0.3179

■ 22.4112, 0.2240,
0.3104

■ 25.7267, 0.2561,
0.3203

■ 21.9004, 0.2204,
0.3079

■ 26.9330, 0.2682,
0.3226

■ 21.5200, 0.2183,
0.3058

■ 28.3095, 0.2815,
0.3248

■ 29.8646, 0.2957,
0.3269

■ 31.6060, 0.3106,
0.3288

■ 33.5410, 0.3259,
0.3305

■ 35.6765, 0.3413,
0.3320

■ 38.0189, 0.3566,
0.3334

Harmonies

Analogous

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



23.7875, 0.2633, 0.3608



23.7875, 0.2365, 0.3154



23.7875, 0.2290, 0.2786

Triad

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



23.7875, 0.2365, 0.3154



23.7875, 0.3159, 0.2712



23.7875, 0.3866, 0.3996

Complementary

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



23.7875, 0.2365, 0.3154



10.9998, 0.4915, 0.3403

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.



23.7875, 0.4040, 0.3700



23.7875, 0.2365, 0.3154



23.7875, 0.3618, 0.2986

Square

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



23.7875, 0.2365, 0.3154



23.7875, 0.2722, 0.2567



23.7875, 0.3951, 0.3337



23.7875, 0.3496, 0.4120

Rectangle

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



23.7875, 0.2365, 0.3154



23.7875, 0.2352, 0.2632



23.7875, 0.3951, 0.3337



23.7875, 0.3950, 0.3911

Sweetspot

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



23.7884, 0.2365, 0.3154



51.4960, 0.2857, 0.3254



24.1064, 0.2999, 0.5104



11.2117, 0.2820, 0.3249



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.



23.7884, 0.2365, 0.3154



40.7618, 0.2269, 0.3119



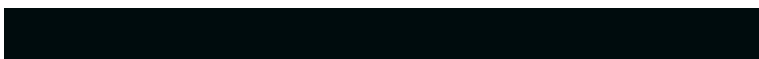
12.3066, 0.2149, 0.2186



6.9475, 0.2989, 0.3273



17.8026, 0.2183, 0.3060



0.2865, 0.2214, 0.3170

Inverse Universe

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



11.9856, 0.3297, 0.1986



18.1852, 0.3339, 0.1796



18.7482, 0.4368, 0.4145



6.3157, 0.3148, 0.3087



7.2025, 0.3402, 0.1648



0.1097, 0.3307, 0.1596

Previews

White Background



This preview shows how the Yxy color 23.7875, 0.2365, 0.3154 looks on a white background.

Color Contrast Check

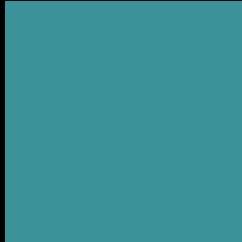
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7875, 0.2365, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

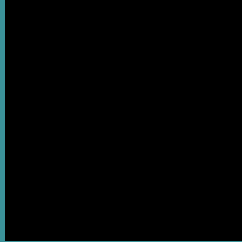
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7875, 0.2365, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 23.7875, 0.2365, 0.3154.

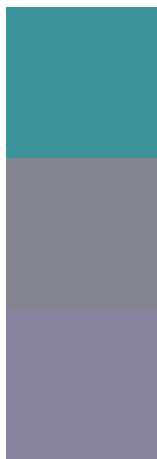


This preview shows how white text looks on a background with the Yxy color 23.7875, 0.2365, 0.3154.

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

23.7875, 0.2365, 0.3154

Protanopia

23.4217, 0.3003, 0.3085

Deuteranopia

23.5505, 0.2906, 0.2845



Tritanopia

23.6772, 0.2345, 0.3062

Trichromacy



Original Color

23.7875, 0.2365, 0.3154

Protanomaly

23.0012, 0.2707, 0.3107

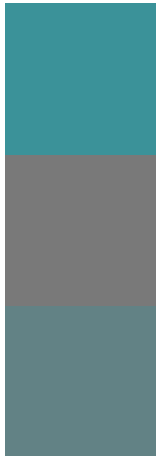
Deuteranomaly

23.1344, 0.2648, 0.2935

Tritanomaly

23.6118, 0.2347, 0.3080

Monochromacy



Original Color

23.7875, 0.2365, 0.3154

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2554, 0.2752, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7875, 0.2365, 0.3154 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, 146, 153)` looks like.

```
.text, #text, p{  
    color:rgb(59, 146, 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(59, 146, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 146, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.7875, 0.2365, 0.3154 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, 146, 153) }
```

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

```
.border{ border-color:rgb(59, 146, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 146, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 146, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 146, 153);  
box-shadow:4px 4px 4px 4px rgb(59, 146,  
153) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.7875, 0.2365, 0.3154$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 146, 153) }
```

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

```
.background{ background-color: rgb(59, 146,  
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