

Converting Colors

$Y_{xy}(23.7853, 0.2964, 0.3952)$

Have a look what the booklet for
Yxy(23.7853, 0.2964, 0.3952)
contains.

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Color

Yxy(23.9399, 0.2959, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	61916F
RGB	97, 145, 111
RGB Percent	38%, 57%, 44%
CMY	0.6196, 0.4314, 0.5647
CMYK	0.33, 0.00, 0.23, 0.43
HSL	137°, 20%, 47%
HSV	137°, 33%, 57%
XYZ	17.9246, 23.9399, 18.7121
YIQ	126.7720, -17.6940, -20.7500

Conversions

Conversions Part 2

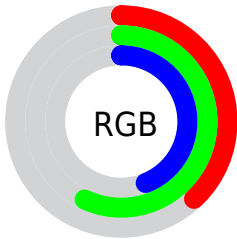
Format	Color
R_{YB}	97, 134, 145
Decimal	6394223
CIE _{Lab}	56.03, -23.73, 12.99
CIE _{LCh}	56, 27.056, 151.305
Yxy	23.9399, 0.2959, 0.3952
Android (android.graphics.Color)	4284584303 (0xFF61916F)
YUV	126.7720, -7.7756, -26.1100
Hunter-Lab	48.9284, -20.2323, 11.5751

Details

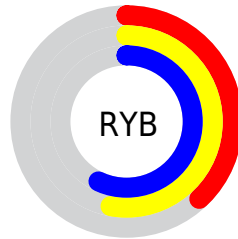
The Yxy color **23.9399, 0.2959, 0.3952** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2103, 0.3352, 0.2710**, and the grayscale version is **21.1737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8808, 0.2998, 0.3793**, and **8.9927, 0.2883, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **23.0023, 0.2916, 0.4196**, and if you desaturate by 10%, it is **25.0512, 0.3007, 0.3727**.

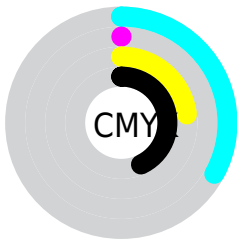
Distribution



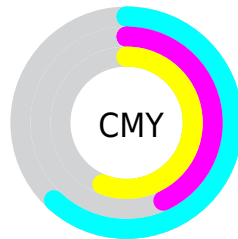
- Red (38%)
- Green (57%)
- Blue (44%)



- Red (38%)
- Yellow (53%)
- Blue (57%)



- Cyan (33%)
- Magenta (0%)
- Yellow (23%)
- Black (43%)





- Cyan (62%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9399, 0.2959, 0.3952 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 23.9399, 0.2959, 0.3952 by changing the saturation by 10% instead.


 23.9399, 0.2959,
0.3952


 23.9399, 0.2959,
0.3952


272.5165, 0.3059,
0.3571


 15.2890, 0.2926,
0.4069


 49.9321, 0.3000,
0.3799

 9.0225, 0.2879,
0.4236


 68.0423, 0.3014,
0.3746

 4.7559, 0.2802,
0.4493

 90.0743, 0.3026,
0.3703

 2.1047, 0.2663,
0.4934

 116.4126, 0.3035,
0.3667

 0.6673, 0.0760,
0.9240

147.4416, 0.3042,
0.3637

 0.0000, 0.0000,
0.0000

183.5456, 0.3049,

0.3612

225.1091, 0.3054,
0.3590

■ 23.9399, 0.2959,
0.3952

■ 23.9399, 0.2959,
0.3952

■ 23.0023, 0.2916,
0.4196

■ 25.0512, 0.3007,
0.3727

■ 22.2264, 0.2880,
0.4454

■ 26.3413, 0.3059,
0.3524

■ 21.6038, 0.2856,
0.4719

■ 27.8189, 0.3111,
0.3342


■ 21.1238, 0.2845,
0.4981


■ 29.4912, 0.3163,
0.3181

■ 20.7741, 0.2849,
0.5229

■ 31.3649, 0.3213,
0.3040

 20.5407, 0.2869,
0.5450

 33.4466, 0.3261,
0.2916

 20.4204, 0.2885,
0.5584

 35.7425, 0.3307,
0.2808

 38.2584, 0.3350,
0.2715

 41.0001, 0.3391,
0.2633

Harmonies

Analogous

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



23.9399, 0.3426, 0.4142



23.9399, 0.2959, 0.3952



23.9399, 0.2557, 0.3536

Triad

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



23.9399, 0.2959, 0.3952



23.9399, 0.2437, 0.2549



23.9399, 0.4012, 0.3403

Complementary

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



23.9399, 0.2959, 0.3952



16.2103, 0.3352, 0.2710

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.



23.9399, 0.3707, 0.3036



23.9399, 0.2959, 0.3952



23.9399, 0.2782, 0.2562

Square

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



23.9399, 0.2959, 0.3952



23.9399, 0.2274, 0.2720



23.9399, 0.3245, 0.2737



23.9399, 0.4054, 0.3772

Rectangle

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



23.9399, 0.2959, 0.3952



23.9399, 0.2374, 0.3220



23.9399, 0.3245, 0.2737



23.9399, 0.3937, 0.3277

Sweetspot

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



23.9409, 0.2959, 0.3952



47.9014, 0.3074, 0.3469



25.9724, 0.3453, 0.4132



10.5852, 0.3067, 0.3493



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.9409, 0.2959, 0.3952



41.5468, 0.2925, 0.4139



24.5315, 0.2755, 0.3484



6.0536, 0.3079, 0.3450



17.5188, 0.2882, 0.5574



0.1710, 0.2659, 0.4773

Inverse Universe

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



16.2103, 0.3352, 0.2710



25.4192, 0.3422, 0.2574



15.6412, 0.3701, 0.3108



5.4846, 0.3179, 0.3135



6.0038, 0.4086, 0.2025



0.0612, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 23.9399, 0.2959, 0.3952 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 23.9399, 0.2959, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

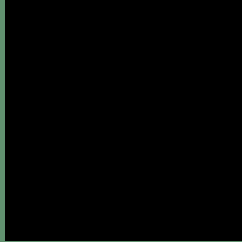
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9399, 0.2959, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 23.9399, 0.2959, 0.3952.



This preview shows how white text looks on a background with the Yxy color 23.9399, 0.2959, 0.3952.

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

23.9399, 0.2959, 0.3952

Protanopia

23.8416, 0.3526, 0.3773

Deuteranopia

23.7854, 0.3601, 0.3538



Tritanopia

23.9938, 0.2679, 0.3092

Trichromacy



Original Color

23.9399, 0.2959, 0.3952

Protanomaly

23.6953, 0.3302, 0.3835

Deuteranomaly

23.5067, 0.3338, 0.3681

Tritanomaly

23.9484, 0.2783, 0.3400

Monochromacy



Original Color

23.9399, 0.2959, 0.3952

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1437, 0.3060, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9399, 0.2959, 0.3952 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 $rgb(97, 145, 111)$ looks like.

```
.text, #text, p{  
    color:rgb(97, 145, 111)  
}
```

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(97, 145, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 145, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.9399, 0.2959, 0.3952 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(97, 145, 111) }
```

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

```
.border{ border-color:rgb(97, 145, 111) }
```

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

Here you see how a box with a 4 pixel rgb(97, 145, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 145, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 145, 111);  
box-shadow:4px 4px 4px 4px rgb(97, 145,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9399, 0.2959, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 145, 111) }
```

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

```
.background{ background-color: rgb(97, 145,  
111) }
```

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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