

Converting Colors

$Y_{xy}(23.5552, 0.3588, 0.3605)$

Have a look what the booklet for
Yxy(23.5552, 0.3588, 0.3605)
contains.

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Color

Yxy(23.5970, 0.3583, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	96826F
RGB	150, 130, 111
RGB Percent	59%, 51%, 44%
CMY	0.4118, 0.4902, 0.5647
CMYK	0.00, 0.13, 0.26, 0.41
HSL	29°, 16%, 51%
HSV	29°, 26%, 59%
XYZ	23.4270, 23.5970, 18.3598
YIQ	133.8140, 18.0190, -1.6690

Conversions

Conversions Part 2

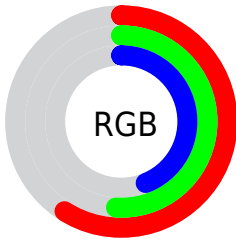
Format	Color
R_{YB}	150, 148, 111
Decimal	9863791
CIE _{Lab}	55.68, 4.52, 13.10
CIE _{LCh}	56, 13.855, 70.960
Yxy	23.5970, 0.3583, 0.3609
Android (android.graphics.Color)	4288053871 (0xFF96826F)
YUV	133.8140, -11.2473, 14.1951
Hunter-Lab	48.5767, 1.0755, 11.5948

Details

The Yxy color **23.5970, 0.3583, 0.3609** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.8068, 0.2727, 0.2948**, and the grayscale version is **23.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4905, 0.3484, 0.3539**, and **8.8964, 0.3771, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **21.3262, 0.3801, 0.3738**, and if you desaturate by 10%, it is **26.0782, 0.3389, 0.3482**.

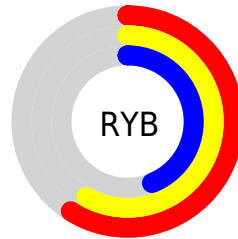
Distribution



Red (59%)

Green (51%)

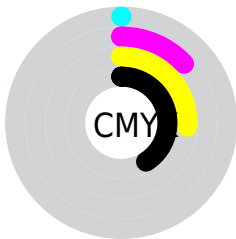
Blue (44%)



Red (59%)

Yellow (58%)

Blue (44%)

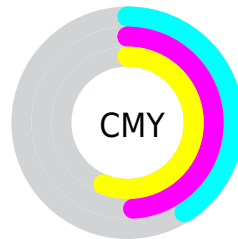


Cyan (0%)

Magenta (13%)

Yellow (26%)

Black (41%)



Cyan (41%)


Magenta (49%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5970, 0.3583, 0.3609 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 23.5970, 0.3583, 0.3609 by changing the saturation by 10% instead.


 23.5970, 0.3583,
0.3609


 23.5970, 0.3583,
0.3609


270.7767, 0.3328,
0.3435


 15.0349, 0.3657,
0.3658


 49.3718, 0.3483,
0.3542

 8.8439, 0.3759,
0.3724


 67.3533, 0.3448,
0.3518

 4.6395, 0.3909,
0.3818

 89.2433, 0.3419,
0.3498

 2.0373, 0.4148,
0.3958

 115.4264, 0.3395,
0.3481

 0.6290, 0.5296,
0.4704

146.2869, 0.3375,
0.3467

 0.0000, 0.0000,
0.0000

182.2092, 0.3357,

0.3455

223.5776, 0.3342,
0.3444

■ 23.5970, 0.3583,
0.3609

■ 23.5970, 0.3583,
0.3609

■ 21.3262, 0.3801,
0.3738

■ 26.0782, 0.3389,
0.3482

■ 19.2563, 0.4042,
0.3863

■ 28.7722, 0.3219,
0.3360

■ 17.3822, 0.4303,
0.3976

■ 31.6858, 0.3070,
0.3245

■ 15.6968, 0.4576,
0.4068

■ 34.8242, 0.2940,
0.3138

■ 14.1929, 0.4849,
0.4125

■ 38.1924, 0.2827,
0.3039

■ 12.8622, 0.5105,
0.4137

■ 41.7955, 0.2728,
0.2949

■ 11.6946, 0.5330,
0.4099

■ 45.6381, 0.2641,
0.2866

■ 11.2652, 0.5419,
0.4079

■ 49.7249, 0.2566,
0.2790

■ 54.0604, 0.2499,
0.2720

Harmonies

Analogous

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



23.5970, 0.3602, 0.3429



23.5970, 0.3583, 0.3609



23.5970, 0.3439, 0.3712

Triad

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



23.5970, 0.3583, 0.3609



23.5970, 0.2777, 0.3344



23.5970, 0.3026, 0.2919

Complementary

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



23.5970, 0.3583, 0.3609



21.8068, 0.2727, 0.2948

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.



23.5970, 0.2814, 0.2887



23.5970, 0.3583, 0.3609



23.5970, 0.2675, 0.3121

Square

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



23.5970, 0.3583, 0.3609



23.5970, 0.2972, 0.3561



23.5970, 0.2689, 0.2957



23.5970, 0.3273, 0.3040

Rectangle

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



23.5970, 0.3583, 0.3609



23.5970, 0.3294, 0.3717



23.5970, 0.2689, 0.2957



23.5970, 0.2949, 0.2897

Sweetspot

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



23.5981, 0.3583, 0.3609



49.7265, 0.3254, 0.3386



19.4945, 0.3390, 0.2955



10.8705, 0.3277, 0.3403



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.



23.5981, 0.3583, 0.3609



39.3573, 0.3703, 0.3682



29.2297, 0.3510, 0.3909



6.2543, 0.3271, 0.3398



9.4097, 0.5408, 0.4088



0.1738, 0.4788, 0.4580

Inverse Universe

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



21.8068, 0.2727, 0.2948



35.6631, 0.2638, 0.2862



17.0932, 0.2695, 0.2585



6.0948, 0.2989, 0.3179



6.2760, 0.1794, 0.1658



0.1358, 0.2005, 0.2418

Previews

White Background



This preview shows how the Yxy color 23.5970, 0.3583, 0.3609 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 23.5970, 0.3583, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

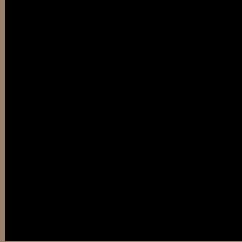
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5970, 0.3583, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 23.5970, 0.3583, 0.3609.



This preview shows how white text looks on a background with the Yxy color 23.5970, 0.3583, 0.3609.

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

23.5970, 0.3583, 0.3609

Protanopia

23.6300, 0.3439, 0.3636

Deuteranopia

23.4561, 0.3641, 0.3571



Tritanopia

23.4716, 0.3338, 0.3129

Trichromacy



Original Color

23.5970, 0.3583, 0.3609

Protanomaly

23.6017, 0.3491, 0.3633

Deuteranomaly

23.6205, 0.3625, 0.3589

Tritanomaly

23.3864, 0.3429, 0.3291

Monochromacy



Original Color

23.5970, 0.3583, 0.3609

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8569, 0.3283, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5970, 0.3583, 0.3609 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(150, 130, 111)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 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(150, 130, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.5970, 0.3583, 0.3609 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(150, 130, 111) }
```

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

```
.border{ border-color:rgb(150, 130, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 111);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5970, 0.3583, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 111) }
```

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

```
.background{ background-color: rgb(150,  
130, 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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