

Converting Colors

$Y_{xy}(23.4736, 0.3159, 0.3355)$

Have a look what the booklet for
Yxy(23.4736, 0.3159, 0.3355)
contains.

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Color

Yxy(23.3733, 0.3159, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	858582
RGB	133, 133, 130
RGB Percent	52%, 52%, 51%
CMY	0.4783, 0.4785, 0.4901
CMYK	0.00, 0.00, 0.02, 0.48
HSL	59°, 1%, 52%
HSV	59°, 2%, 52%
XYZ	22.0934, 23.3733, 24.4713
YIQ	132.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

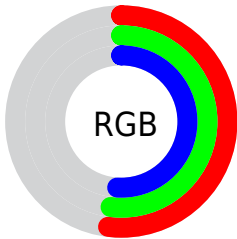
Format	Color
R _Y B	130, 133, 130
Decimal	8750466
CIE Lab	55.45, -0.57, 1.60
CIE LCh	55, 1.696, 109.481
Yxy	23.3733, 0.3159, 0.3342
Android (android.graphics.Color)	4286940546 (0xFF858582)
YUV	132.6580, -1.3104, 0.2999
Hunter-Lab	48.3459, -3.0333, 3.8313

Details

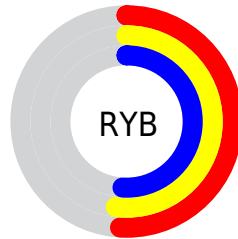
The Yxy color **23.3733, 0.3159, 0.3342** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.4192, 0.3095, 0.3237**, and the grayscale version is **23.3313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9758, 0.3150, 0.3328**, and **8.8195, 0.3175, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **23.0010, 0.3303, 0.3577**, and if you desaturate by 10%, it is **23.7938, 0.3021, 0.3116**.

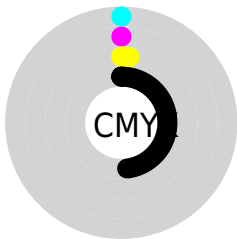
Distribution



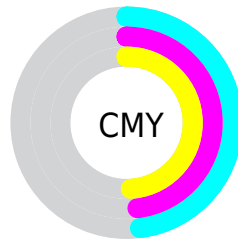
- Red (52%)
- Green (52%)
- Blue (51%)



- Red (51%)
- Yellow (52%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (48%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3733, 0.3159, 0.3342 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 23.3733, 0.3159, 0.3342 by changing the saturation by 10% instead.

■ 23.3733, 0.3159,
0.3342

■ 23.3733, 0.3159,
0.3342

269.6366, 0.3141,
0.3313

■ 14.8694, 0.3164,
0.3350

■ 49.0056, 0.3152,
0.3331

■ 8.7278, 0.3171,
0.3362

■ 66.9027, 0.3150,
0.3327

■ 4.5640, 0.3182,
0.3380

■ 88.6997, 0.3148,
0.3323

■ 1.9938, 0.3199,
0.3408

114.7810, 0.3146,
0.3321

■ 0.6039, 0.3276,
0.3532

145.5309, 0.3145,
0.3318

■ 0.0000, 0.0000,
0.0000

181.3339, 0.3143,

0.3316

222.5743, 0.3142,
0.3315

■ 23.3733, 0.3159,
0.3342

■ 23.3733, 0.3159,
0.3342

■ 23.0010, 0.3303,
0.3577

■ 23.7938, 0.3021,
0.3116

■ 22.6723, 0.3450,
0.3817

■ 24.2612, 0.2891,
0.2904

■ 22.3861, 0.3596,
0.4054

■ 24.7781, 0.2770,
0.2705

■ 22.1406, 0.3737,
0.4282

■ 25.3460, 0.2659,
0.2523

■ 21.9335, 0.3866,
0.4492

■ 25.9664, 0.2557,
0.2356

■ 21.7625, 0.3980,
0.4675

■ 26.6405, 0.2465,
0.2204

■ 21.6250, 0.4073,
0.4823

■ 27.3698, 0.2381,
0.2067

■ 21.5179, 0.4142,
0.4932

■ 28.1556, 0.2306,
0.1943

■ 21.4379, 0.4186,
0.5000

■ 28.9991, 0.2238,
0.1831

Harmonies

Analogous

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



23.3733, 0.3179, 0.3335



23.3733, 0.3159, 0.3342



23.3733, 0.3130, 0.3335

Triad

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



23.3733, 0.3159, 0.3342



23.3733, 0.3069, 0.3264



23.3733, 0.3154, 0.3265

Complementary

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



23.3733, 0.3159, 0.3342



22.4192, 0.3095, 0.3237

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.



23.3733, 0.3124, 0.3246



23.3733, 0.3159, 0.3342



23.3733, 0.3075, 0.3245

Square

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



23.3733, 0.3159, 0.3342



23.3733, 0.3078, 0.3290



23.3733, 0.3095, 0.3239



23.3733, 0.3176, 0.3290

Rectangle

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



23.3733, 0.3159, 0.3342



23.3733, 0.3110, 0.3323



23.3733, 0.3095, 0.3239



23.3733, 0.3144, 0.3257

Sweetspot

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



23.3743, 0.3159, 0.3342



41.9293, 0.3142, 0.3313



22.5716, 0.3162, 0.3289



9.4474, 0.3141, 0.3312



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



23.3743, 0.3159, 0.3342



41.7839, 0.3170, 0.3361



23.2654, 0.3142, 0.3343



5.4631, 0.3179, 0.3374



20.3623, 0.4211, 0.5038



0.0712, 0.4202, 0.5046

Inverse Universe

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



22.4192, 0.3095, 0.3237



39.4781, 0.3083, 0.3218



22.5266, 0.3112, 0.3237



5.1055, 0.3075, 0.3204



1.6431, 0.1503, 0.0610



0.0062, 0.1516, 0.0656

Previews

White Background



This preview shows how the Yxy color 23.3733, 0.3159, 0.3342 looks on a white background.

Color Contrast Check

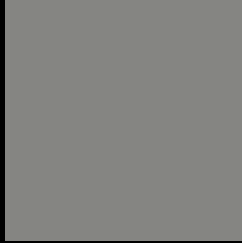
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3733, 0.3159, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

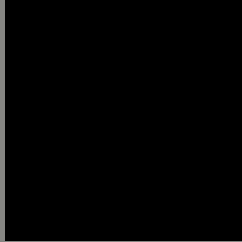
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

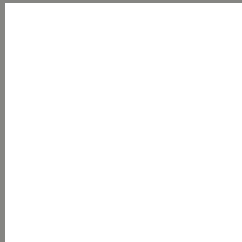
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3733, 0.3159, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 23.3733, 0.3159, 0.3342.



This preview shows how white text looks on a background with the Yxy color 23.3733, 0.3159, 0.3342.

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

23.3733, 0.3159, 0.3342

Protanopia

23.3485, 0.3195, 0.3325

Deuteranopia

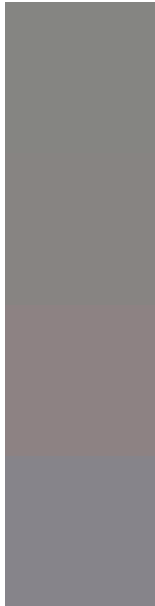
23.1880, 0.3308, 0.3240



Tritanopia

23.3365, 0.3057, 0.3103

Trichromacy



Original Color

23.3733, 0.3159, 0.3342

Protanomaly

23.2651, 0.3183, 0.3325

Deuteranomaly

23.2667, 0.3245, 0.3273

Tritanomaly

23.4058, 0.3087, 0.3187

Monochromacy



Original Color

23.3733, 0.3159, 0.3342

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4275, 0.3138, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3733, 0.3159, 0.3342 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(133, 133, 130)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 130)  
}
```

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(133, 133, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 130) }
```

Border

The CSS property to change the border of an element to Yxy 23.3733, 0.3159, 0.3342 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(133, 133, 130) }
```

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

```
.border{ border-color:rgb(133, 133, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 130);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3733, 0.3159, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 130) }
```

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

```
.background{ background-color: rgb(133,  
133, 130) }
```

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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