

Converting Colors

$Y_{xy}(23.8082, 0.3143, 0.3302)$

Have a look what the booklet for
Yxy(23.8082, 0.3143, 0.3302)
contains.

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Color

Yxy(23.8945, 0.3149, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	878685
RGB	135, 134, 133
RGB Percent	53%, 53%, 52%
CMY	0.4705, 0.4745, 0.4784
CMYK	0.00, 0.01, 0.01, 0.47
HSL	29°, 1%, 53%
HSV	29°, 1%, 53%
XYZ	22.7529, 23.8945, 25.6069
YIQ	134.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

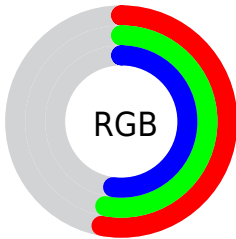
Format	Color
R_{YB}	135, 135, 133
Decimal	8881797
CIE Lab	55.98, 0.19, 0.66
CIE LCh	56, 0.683, 73.790
Yxy	23.8945, 0.3149, 0.3307
Android (android.graphics.Color)	4287071877 (0xFF878685)
YUV	134.1850, -0.5842, 0.7148
Hunter-Lab	48.8820, -2.4579, 3.1582

Details

The Yxy color **23.8945, 0.3149, 0.3307** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.7960, 0.3105, 0.3273**, and the grayscale version is **23.9151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7772, 0.3143, 0.3303**, and **8.9120, 0.3144, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **21.7097, 0.3308, 0.3426**, and if you desaturate by 10%, it is **26.2525, 0.3010, 0.3196**.

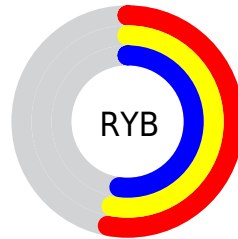
Distribution



Red (53%)

Green (53%)

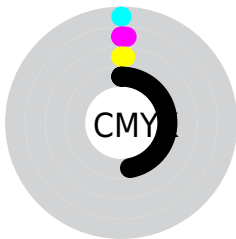
Blue (52%)



Red (53%)

Yellow (53%)

Blue (52%)

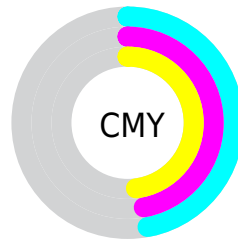


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8945, 0.3149, 0.3307 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 23.8945, 0.3149, 0.3307 by changing the saturation by 10% instead.


 23.8945, 0.3149,
0.3307


 23.8945, 0.3149,
0.3307


272.2867, 0.3137,
0.3298


 15.2554, 0.3153,
0.3310


 49.8580, 0.3144,
0.3303

 8.9988, 0.3157,
0.3313


 67.9511, 0.3143,
0.3302

 4.7404, 0.3165,
0.3319

 89.9644, 0.3141,
0.3301

 2.0958, 0.3176,
0.3328

116.2822, 0.3140,
0.3300

 0.6622, 0.3216,
0.3359

147.2890, 0.3139,
0.3299

 0.0000, 0.0000,
0.0000

183.3690, 0.3138,

0.3299

224.9068, 0.3138,
0.3298

■ 23.8945, 0.3149,
0.3307

■ 23.8945, 0.3149,
0.3307

■ 21.7097, 0.3308,
0.3426

■ 26.2525, 0.3010,
0.3196

■ 19.6908, 0.3488,
0.3551

■ 28.7847, 0.2889,
0.3093

■ 17.8347, 0.3692,
0.3679

■ 31.4958, 0.2783,
0.2998

■ 16.1368, 0.3920,
0.3807

■ 34.3896, 0.2690,
0.2910

■ 14.5923, 0.4168,
0.3927

■ 37.4695, 0.2609,
0.2830

■ 13.1961, 0.4433,
0.4031

■ 40.7393, 0.2538,
0.2757

■ 11.9429, 0.4703,
0.4107

■ 44.2020, 0.2475,
0.2690

■ 10.8267, 0.4965,
0.4144

■ 47.8612, 0.2420,
0.2629

■ 9.8409, 0.5204,
0.4133

■ 51.7199, 0.2370,
0.2572

Harmonies

Analogous

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



23.8945, 0.3150, 0.3299



23.8945, 0.3149, 0.3307



23.8945, 0.3142, 0.3311

Triad

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



23.8945, 0.3149, 0.3307



23.8945, 0.3109, 0.3292



23.8945, 0.3124, 0.3272

Complementary

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



23.8945, 0.3149, 0.3307



23.7960, 0.3105, 0.3273

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.



23.8945, 0.3113, 0.3270



23.8945, 0.3149, 0.3307



23.8945, 0.3104, 0.3282

Square

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



23.8945, 0.3149, 0.3307



23.8945, 0.3119, 0.3302



23.8945, 0.3106, 0.3273



23.8945, 0.3136, 0.3278

Rectangle

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



23.8945, 0.3149, 0.3307



23.8945, 0.3135, 0.3310



23.8945, 0.3106, 0.3273



23.8945, 0.3120, 0.3270

Sweetspot

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



23.8955, 0.3149, 0.3307



43.3880, 0.3127, 0.3290



23.6530, 0.3139, 0.3272



10.0482, 0.3127, 0.3290



69.2071, 0.3127, 0.3290

Same Dimension

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



23.8955, 0.3149, 0.3307



42.5538, 0.3157, 0.3313



24.1694, 0.3148, 0.3324



5.4029, 0.3154, 0.3311



8.4092, 0.5389, 0.4103



0.0437, 0.4781, 0.4586

Inverse Universe

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



23.7960, 0.3105, 0.3273



42.3093, 0.3097, 0.3266



23.5245, 0.3106, 0.3256



5.3753, 0.3101, 0.3269



5.5230, 0.1793, 0.1654



0.0337, 0.2003, 0.2409

Previews

White Background



This preview shows how the Yxy color 23.8945, 0.3149, 0.3307 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 23.8945, 0.3149, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

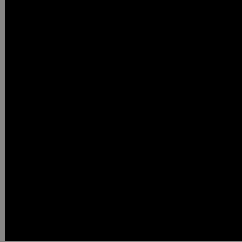
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

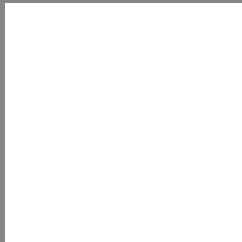
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8945, 0.3149, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 23.8945, 0.3149, 0.3307.



This preview shows how white text looks on a background with the Yxy color 23.8945, 0.3149, 0.3307.

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

23.8945, 0.3149, 0.3307

Protanopia

23.7869, 0.3173, 0.3290

Deuteranopia

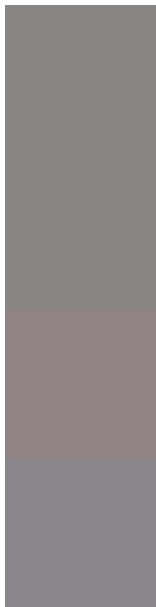
23.8895, 0.3282, 0.3224



Tritanopia

23.8041, 0.3068, 0.3105

Trichromacy



Original Color

23.8945, 0.3149, 0.3307

Protanomaly

23.7028, 0.3161, 0.3290

Deuteranomaly

23.7935, 0.3234, 0.3240

Tritanomaly

23.8734, 0.3098, 0.3188

Monochromacy



Original Color

23.8945, 0.3149, 0.3307

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8398, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8945, 0.3149, 0.3307 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(135, 134, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 134, 133)  
}
```

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(135, 134, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 134, 133) }
```

Border

The CSS property to change the border of an element to Yxy 23.8945, 0.3149, 0.3307 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(135, 134, 133) }
```

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

```
.border{ border-color:rgb(135, 134, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 134, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 134, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 134, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 134,  
133) }
```

Background

The CSS property to change the background color of an element to Yxy 23.8945, 0.3149, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 134, 133) }
```

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

```
.background{ background-color: rgb(135,  
134, 133) }
```

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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