

Converting Colors

$Y_{xy}(23.9780, 0.3133, 0.3289)$

Have a look what the booklet for
Yxy(23.9780, 0.3133, 0.3289)
contains.

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Color

Yxy(23.9223, 0.3138, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	878686
RGB	135, 134, 134
RGB Percent	53%, 53%, 53%
CMY	0.4707, 0.4745, 0.4745
CMYK	0.00, 0.01, 0.01, 0.47
HSL	360°, 0%, 53%
HSV	360°, 1%, 53%
XYZ	22.8171, 23.9223, 25.9728
YIQ	134.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	135, 134, 134
Decimal	8881798
CIE Lab	56.01, 0.36, 0.12
CIE LCh	56, 0.381, 18.131
Yxy	23.9223, 0.3138, 0.3290
Android (android.graphics.Color)	4287071878 (0xFF878686)
YUV	134.2990, -0.1474, 0.6148
Hunter-Lab	48.9104, -2.3217, 2.7527

Details

The Yxy color $23.9223, 0.3138, 0.3290$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.1382, 0.3116, 0.3290$, and the grayscale version is $23.9556, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8199, 0.3135, 0.3290$, and $8.9120, 0.3144, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $20.0741, 0.3309, 0.3290$, and if you desaturate by 10%, it is $28.2968, 0.3000, 0.3290$.

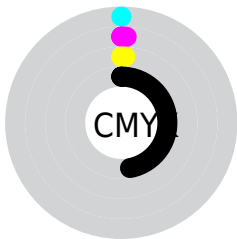
Distribution



- Red (53%)
- Green (53%)
- Blue (53%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (47%)





- Cyan (47%)
- Magenta (47%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9223, 0.3138, 0.3290 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 23.9223, 0.3138, 0.3290 by changing the saturation by 10% instead.


 23.9223, 0.3138,
0.3290


 23.9223, 0.3138,
0.3290


272.4274, 0.3132,
0.3290


 15.2760, 0.3140,
0.3290


 49.9034, 0.3136,
0.3290

 9.0133, 0.3142,
0.3290


 68.0069, 0.3135,
0.3290

 4.7499, 0.3146,
0.3290

 90.0317, 0.3134,
0.3290

 2.1013, 0.3151,
0.3290

116.3621, 0.3134,
0.3290

 0.6653, 0.3170,
0.3289

147.3824, 0.3133,
0.3290

 0.0000, 0.0000,
0.0000

183.4772, 0.3133,

0.3290

225.0307, 0.3132,
0.3290

■ 23.9223, 0.3138,
0.3290

■ 23.9223, 0.3138,
0.3290

■ 20.0741, 0.3309,
0.3290

■ 28.2968, 0.3000,
0.3290

■ 16.7295, 0.3522,
0.3291

■ 33.2133, 0.2889,
0.3289

■ 13.8685, 0.3785,
0.3292

■ 38.6904, 0.2798,
0.3289

■ 11.4689, 0.4107,
0.3293

■ 44.7450, 0.2723,
0.3289

■ 9.5065, 0.4492,
0.3294

■ 51.3935, 0.2661,
0.3289

■ 7.9549, 0.4931,
0.3295

■ 58.6512, 0.2610,
0.3289

■ 6.7850, 0.5395,
0.3296

■ 66.5333, 0.2567,
0.3289

■ 5.9638, 0.5831,
0.3298

■ 75.0542, 0.2531,
0.3289

■ 5.4528, 0.6168,
0.3299

■ 83.8887, 0.2501,
0.3288

Harmonies

Analogous

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



23.9223, 0.3133, 0.3284



23.9223, 0.3138, 0.3290



23.9223, 0.3140, 0.3296

Triad

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



23.9223, 0.3138, 0.3290



23.9223, 0.3128, 0.3300



23.9223, 0.3116, 0.3280

Complementary

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



23.9223, 0.3138, 0.3290



24.1382, 0.3116, 0.3290

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.



23.9223, 0.3114, 0.3285



23.9223, 0.3138, 0.3290



23.9223, 0.3122, 0.3296

Square

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



23.9223, 0.3138, 0.3290



23.9223, 0.3135, 0.3302



23.9223, 0.3117, 0.3290



23.9223, 0.3120, 0.3279

Rectangle

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



23.9223, 0.3138, 0.3290



23.9223, 0.3140, 0.3299



23.9223, 0.3117, 0.3290



23.9223, 0.3115, 0.3282

Sweetspot

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



23.9233, 0.3138, 0.3290



43.3880, 0.3127, 0.3290



23.9490, 0.3128, 0.3274



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.



23.9233, 0.3138, 0.3290



42.6335, 0.3143, 0.3290



24.0522, 0.3138, 0.3298



5.4119, 0.3141, 0.3290



4.7499, 0.6400, 0.3299



0.0165, 0.6397, 0.3298

Inverse Universe

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



23.9233, 0.3138, 0.3290



42.6335, 0.3143, 0.3290



24.0087, 0.3117, 0.3282



5.4119, 0.3141, 0.3290



4.7499, 0.6400, 0.3299



0.0165, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 23.9223, 0.3138, 0.3290 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 23.9223, 0.3138, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

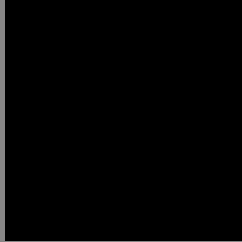
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

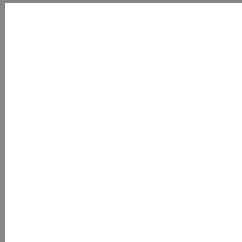
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9223, 0.3138, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 23.9223, 0.3138, 0.3290.



This preview shows how white text looks on a background with the Yxy color 23.9223, 0.3138, 0.3290.

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

23.9223, 0.3138, 0.3290

Protanopia

24.0898, 0.3161, 0.3290

Deuteranopia

23.9176, 0.3271, 0.3208



Tritanopia

23.9925, 0.3057, 0.3121

Trichromacy



Original Color

23.9223, 0.3138, 0.3290

Protanomaly

24.0057, 0.3150, 0.3290

Deuteranomaly

23.8215, 0.3223, 0.3223

Tritanomaly

23.9027, 0.3088, 0.3171

Monochromacy



Original Color

23.9223, 0.3138, 0.3290

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 23.9223, 0.3138, 0.3290 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, 134)` looks like.

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

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, 134) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 23.9223, 0.3138, 0.3290 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, 134) }
```

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

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

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, 134)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 23.9223, 0.3138, 0.3290 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, 134) }
```

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

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

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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