

Converting Colors

$Y_{xy}(23.0620, 0.3088, 0.3172)$

Have a look what the booklet for
Yxy(23.0620, 0.3088, 0.3172)
contains.

Yxy(23.1359, 0.3087, 0.3170)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1359, 0.3087, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	86838A
RGB	134, 131, 138
RGB Percent	53%, 51%, 54%
CMY	0.4746, 0.4862, 0.4589
CMYK	0.03, 0.05, 0.00, 0.46
HSL	265°, 3%, 53%
HSV	265°, 5%, 54%
XYZ	22.5301, 23.1359, 27.3179
YIQ	132.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

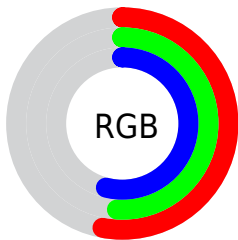
Format	Color
R_{YB}	134, 131, 138
Decimal	8815498
CIE _{Lab}	55.21, 2.49, -3.36
CIE _{LCh}	55, 4.186, 306.554
Yxy	23.1359, 0.3087, 0.3170
Android (android.graphics.Color)	4287005578 (0xFF86838A)
YUV	132.6950, 2.6154, 1.1445
Hunter-Lab	48.0998, -0.5645, -0.0034

Details

The Yxy color **23.1359, 0.3087, 0.3170** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9666, 0.3166, 0.3410**, and the grayscale version is **23.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6074, 0.3098, 0.3201**, and **8.6240, 0.3066, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **19.0436, 0.2998, 0.2916**, and if you desaturate by 10%, it is **27.7732, 0.3163, 0.3402**.

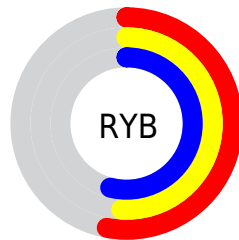
Distribution



Red (53%)

Green (51%)

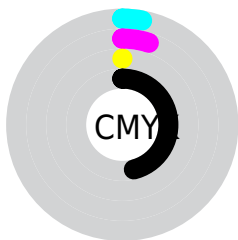
Blue (54%)



Red (53%)

Yellow (51%)

Blue (54%)

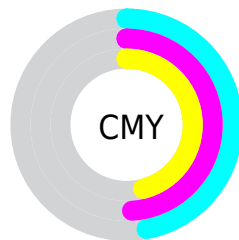


Cyan (3%)

Magenta (5%)

Yellow (0%)

Black (46%)



Cyan (47%)


Magenta (49%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1359, 0.3087, 0.3170 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 23.1359, 0.3087, 0.3170 by changing the saturation by 10% instead.


 23.1359, 0.3087,
0.3170


 23.1359, 0.3087,
0.3170


268.4222, 0.3110,
0.3237


 14.6939, 0.3080,
0.3151


 48.6164, 0.3096,
0.3196

 8.6048, 0.3071,
0.3124


 66.4236, 0.3099,
0.3205

 4.4843, 0.3057,
0.3085

 88.1214, 0.3102,
0.3213

 1.9480, 0.3034,
0.3021

114.0941, 0.3104,
0.3219

 0.5770, 0.2973,
0.2815

144.7262, 0.3106,
0.3225

 0.0000, 0.0000,
0.0000

180.4020, 0.3107,

0.3229

221.5058, 0.3108,
0.3233

■ 23.1359, 0.3087,
0.3170

■ 23.1359, 0.3087,
0.3170

■ 19.0436, 0.2998,
0.2916

■ 27.7732, 0.3163,
0.3402

■ 15.4728, 0.2895,
0.2642

■ 32.9718, 0.3229,
0.3611

■ 12.4027, 0.2779,
0.2353

■ 38.7511, 0.3283,
0.3799

■ 9.8102, 0.2651,
0.2055

■ 45.1286, 0.3330,
0.3967

■ 7.6698, 0.2512,
0.1761

■ 52.1211, 0.3368,
0.4116

■ 5.9541, 0.2368,
0.1483

■ 59.7447, 0.3401,
0.4249

■ 4.6322, 0.2224,
0.1237

■ 68.0149, 0.3427,
0.4367

■ 3.6691, 0.2087,
0.1036

■ 76.9467, 0.3450,
0.4472

■ 3.0166, 0.1963,
0.0888

■ 86.4239, 0.3469,
0.4563

Harmonies

Analogous

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



23.1359, 0.3024, 0.3166



23.1359, 0.3087, 0.3170



23.1359, 0.3162, 0.3205

Triad

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



23.1359, 0.3087, 0.3170



23.1359, 0.3268, 0.3383



23.1359, 0.3027, 0.3318

Complementary

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



23.1359, 0.3087, 0.3170



24.9666, 0.3166, 0.3410

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.



23.1359, 0.3092, 0.3378



23.1359, 0.3087, 0.3170



23.1359, 0.3231, 0.3415

Square

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



23.1359, 0.3087, 0.3170



23.1359, 0.3267, 0.3327



23.1359, 0.3166, 0.3414



23.1359, 0.2989, 0.3251

Rectangle

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



23.1359, 0.3087, 0.3170



23.1359, 0.3208, 0.3241



23.1359, 0.3166, 0.3414



23.1359, 0.3046, 0.3340

Sweetspot

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



23.1369, 0.3087, 0.3170



43.1486, 0.3111, 0.3242



24.0122, 0.3052, 0.3240



9.7029, 0.3112, 0.3245



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.1369, 0.3087, 0.3170



39.9691, 0.3078, 0.3144



23.4243, 0.3126, 0.3172



5.2587, 0.3076, 0.3137



2.5254, 0.1909, 0.0826



0.0251, 0.2405, 0.1099

Inverse Universe

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



23.3895, 0.3164, 0.3222



40.5069, 0.3173, 0.3207



24.6856, 0.3128, 0.3411



5.3330, 0.3175, 0.3203



5.4831, 0.4588, 0.2301



0.0394, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 23.1359, 0.3087, 0.3170 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 23.1359, 0.3087, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

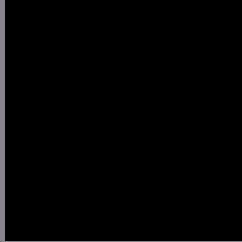
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

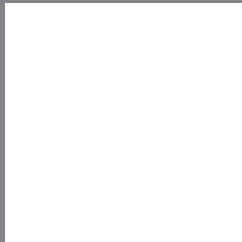
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1359, 0.3087, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 23.1359, 0.3087, 0.3170.



This preview shows how white text looks on a background with the Yxy color 23.1359, 0.3087, 0.3170.

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

23.1359, 0.3087, 0.3170

Protanopia

23.0541, 0.3076, 0.3169

Deuteranopia

23.0532, 0.3171, 0.3106



Tritanopia

23.2240, 0.3056, 0.3119

Trichromacy



Original Color

23.1359, 0.3087, 0.3170

Protanomaly

23.0541, 0.3076, 0.3169

Deuteranomaly

23.0536, 0.3135, 0.3121

Tritanomaly

23.1944, 0.3066, 0.3136

Monochromacy



Original Color

23.1359, 0.3087, 0.3170

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2383, 0.3107, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1359, 0.3087, 0.3170 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(134, 131, 138)` looks like.

```
.text, #text, p{  
    color:rgb(134, 131, 138)  
}
```

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(134, 131, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 131, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.1359, 0.3087, 0.3170 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(134, 131, 138) }
```

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

```
.border{ border-color:rgb(134, 131, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 131, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 131, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 131, 138);  
box-shadow:4px 4px 4px 4px rgb(134, 131,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1359, 0.3087, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 131, 138) }
```

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

```
.background{ background-color: rgb(134,  
131, 138) }
```

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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