

Converting Colors

$Y_{xy}(23.7931, 0.3154, 0.3408)$

Have a look what the booklet for
Yxy(23.7931, 0.3154, 0.3408)
contains.

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Color

Yxy(23.7118, 0.3155, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	838780
RGB	131, 135, 128
RGB Percent	51%, 53%, 50%
CMY	0.4863, 0.4706, 0.4980
CMYK	0.03, 0.00, 0.05, 0.47
HSL	94°, 3%, 52%
HSV	94°, 5%, 53%
XYZ	21.9193, 23.7118, 23.8438
YIQ	133.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

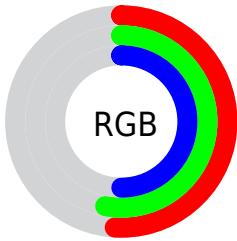
Format	Color
R _Y B	128, 135, 132
Decimal	8619904
CIE Lab	55.80, -2.86, 3.24
CIE LCh	56, 4.318, 131.391
Yxy	23.7118, 0.3155, 0.3413
Android (android.graphics.Color)	4286809984 (0xFF838780)
YUV	133.0060, -2.4680, -1.7593
Hunter-Lab	48.6948, -4.8663, 5.0545

Details

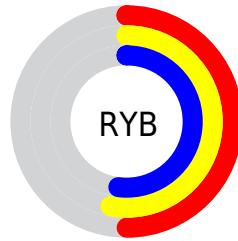
The Yxy color **23.7118, 0.3155, 0.3413** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.0950, 0.3098, 0.3167**, and the grayscale version is **23.4670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4930, 0.3148, 0.3380**, and **8.8554, 0.3171, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **22.7858, 0.3208, 0.3667**, and if you desaturate by 10%, it is **24.7333, 0.3101, 0.3181**.

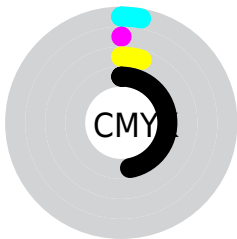
Distribution



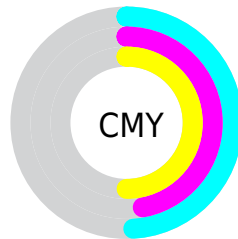
- Red (51%)
- Green (53%)
- Blue (50%)



- Red (50%)
- Yellow (53%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7118, 0.3155, 0.3413 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 23.7118, 0.3155, 0.3413 by changing the saturation by 10% instead.

■ 23.7118, 0.3155,
0.3413

■ 23.7118, 0.3155,
0.3413

271.3602, 0.3140,
0.3344

■ 15.1200, 0.3159,
0.3433

■ 49.5595, 0.3149,
0.3386

■ 8.9036, 0.3165,
0.3461

■ 67.5841, 0.3147,
0.3376

■ 4.6784, 0.3174,
0.3503

■ 89.5219, 0.3145,
0.3369

■ 2.0598, 0.3188,
0.3572

115.7570, 0.3144,
0.3362

■ 0.6419, 0.3266,
0.3879

146.6740, 0.3143,
0.3357

■ 0.0000, 0.0000,
0.0000

182.6573, 0.3141,

0.3352

224.0912, 0.3141,
0.3348

■ 23.7118, 0.3155,
0.3413

■ 23.7118, 0.3155,
0.3413

■ 22.7858, 0.3208,
0.3667

■ 24.7333, 0.3101,
0.3181

■ 21.9493, 0.3259,
0.3941

■ 25.8500, 0.3049,
0.2972

■ 21.2004, 0.3306,
0.4231

■ 27.0655, 0.2999,
0.2785

■ 20.5359, 0.3344,
0.4529

■ 28.3822, 0.2951,
0.2618

■ 19.9523, 0.3371,
0.4825

■ 29.8026, 0.2906,
0.2469

■ 19.4461, 0.3382,
0.5105

■ 31.3291, 0.2864,
0.2337

■ 19.0131, 0.3377,
0.5353

■ 32.9637, 0.2825,
0.2219

■ 18.6489, 0.3352,
0.5555

■ 34.7088, 0.2789,
0.2115

■ 18.3474, 0.3311,
0.5705

■ 36.5663, 0.2755,
0.2022

Harmonies

Analogous

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



23.7118, 0.3224, 0.3421



23.7118, 0.3155, 0.3413



23.7118, 0.3079, 0.3371

Triad

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



23.7118, 0.3155, 0.3413



23.7118, 0.2988, 0.3186



23.7118, 0.3239, 0.3272

Complementary

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



23.7118, 0.3155, 0.3413



22.0950, 0.3098, 0.3167

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.



23.7118, 0.3175, 0.3211



23.7118, 0.3155, 0.3413



23.7118, 0.3030, 0.3162

Square

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



23.7118, 0.3155, 0.3413



23.7118, 0.2983, 0.3240



23.7118, 0.3098, 0.3171



23.7118, 0.3273, 0.3338

Rectangle

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



23.7118, 0.3155, 0.3413



23.7118, 0.3035, 0.3330



23.7118, 0.3098, 0.3171



23.7118, 0.3220, 0.3250

Sweetspot

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



23.7128, 0.3155, 0.3413



43.0172, 0.3138, 0.3338



23.2045, 0.3205, 0.3359



9.9680, 0.3137, 0.3335



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.



23.7128, 0.3155, 0.3413



42.2969, 0.3160, 0.3436



23.4898, 0.3117, 0.3406



5.3536, 0.3161, 0.3442



16.8056, 0.3293, 0.5768



0.0624, 0.3638, 0.5494

Inverse Universe

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



22.0950, 0.3098, 0.3167



38.8926, 0.3093, 0.3145



22.3264, 0.3138, 0.3177



4.9059, 0.3091, 0.3139



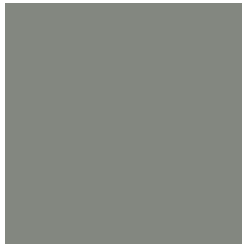
3.0900, 0.2200, 0.0985



0.0150, 0.2651, 0.1234

Previews

White Background



This preview shows how the Yxy color 23.7118, 0.3155, 0.3413 looks on a white background.

Color Contrast Check

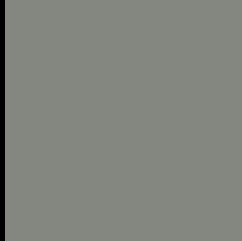
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7118, 0.3155, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

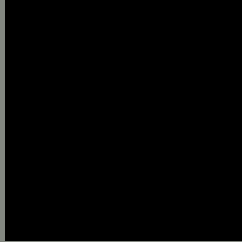
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

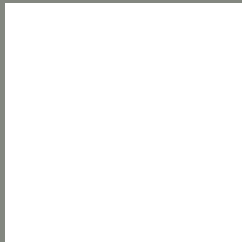
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7118, 0.3155, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 23.7118, 0.3155, 0.3413.



This preview shows how white text looks on a background with the Yxy color 23.7118, 0.3155, 0.3413.

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

23.7118, 0.3155, 0.3413

Protanopia

23.7106, 0.3249, 0.3394

Deuteranopia

23.5814, 0.3353, 0.3291



Tritanopia

23.7448, 0.3024, 0.3119

Trichromacy



Original Color

23.7118, 0.3155, 0.3413

Protanomaly

23.7334, 0.3213, 0.3412

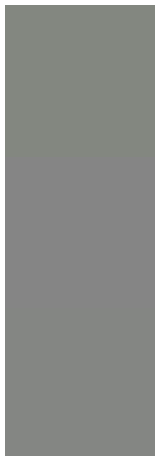
Deuteranomaly

23.5684, 0.3277, 0.3324

Tritanomaly

23.7907, 0.3064, 0.3221

Monochromacy



Original Color

23.7118, 0.3155, 0.3413

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5944, 0.3136, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7118, 0.3155, 0.3413 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(131, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(131, 135, 128)  
}
```

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(131, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 135, 128) }
```

Border

The CSS property to change the border of an element to Yxy 23.7118, 0.3155, 0.3413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

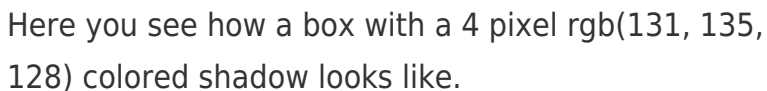
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 135, 128) }
```

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

```
.border{ border-color:rgb(131, 135, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 135, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 135, 128); box-shadow:4px 4px 4px 4px rgb(131, 135, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7118, 0.3155, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 135, 128) }
```

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

```
.background{ background-color: rgb(131,  
135, 128) }
```

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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