

Converting Colors

$Y_{xy}(23.0159, 0.3108, 0.3220)$

Have a look what the booklet for
Yxy(23.0159, 0.3108, 0.3220)
contains.

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Color

Yxy(22.9684, 0.3108, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	858387
RGB	133, 131, 135
RGB Percent	52%, 51%, 53%
CMY	0.4784, 0.4863, 0.4707
CMYK	0.01, 0.03, 0.00, 0.47
HSL	270°, 2%, 52%
HSV	270°, 3%, 53%
XYZ	22.1626, 22.9684, 26.1773
YIQ	132.0540, -0.0920, 1.6680

Conversions

Conversions Part 2

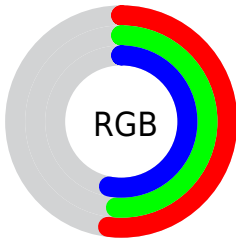
Format	Color
R_{YB}	133, 131, 135
Decimal	8749959
CIE _{Lab}	55.04, 1.54, -1.88
CIE _{LCh}	55, 2.432, 309.408
Yxy	22.9684, 0.3108, 0.3221
Android (android.graphics.Color)	4286940039 (0xFF858387)
YUV	132.0540, 1.4524, 0.8296
Hunter-Lab	47.9254, -1.3238, 1.1630

Details

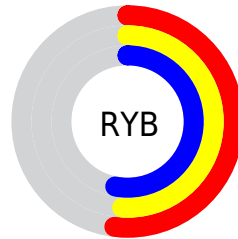
The Yxy color **22.9684, 0.3108, 0.3221** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9430, 0.3146, 0.3359**, and the grayscale version is **23.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3509, 0.3113, 0.3239**, and **8.5753, 0.3114, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **19.0521, 0.3036, 0.2974**, and if you desaturate by 10%, it is **27.3934, 0.3169, 0.3448**.

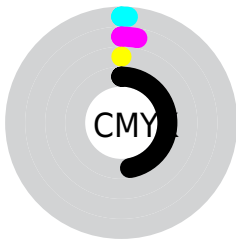
Distribution



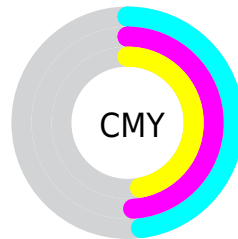
- Red (52%)
- Green (51%)
- Blue (53%)



- Red (52%)
- Yellow (51%)
- Blue (53%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (47%)



- Cyan (48%)
- Magenta (49%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9684, 0.3108, 0.3221 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 22.9684, 0.3108, 0.3221 by changing the saturation by 10% instead.

■ 22.9684, 0.3108,
0.3221

■ 22.9684, 0.3108,
0.3221

267.5626, 0.3119,
0.3260

■ 14.5702, 0.3105,
0.3210

■ 48.3414, 0.3112,
0.3236

■ 8.5183, 0.3100,
0.3194

■ 66.0850, 0.3114,
0.3241

■ 4.4283, 0.3094,
0.3171

■ 87.7126, 0.3115,
0.3246

■ 1.9159, 0.3083,
0.3133

113.6084, 0.3116,
0.3249

■ 0.5579, 0.3046,
0.2992

144.1569, 0.3117,
0.3253

■ 0.0000, 0.0000,
0.0000

179.7425, 0.3118,

0.3255

220.7496, 0.3118,
0.3258

■ 22.9684, 0.3108,
0.3221

■ 22.9684, 0.3108,
0.3221

■ 19.0521, 0.3036,
0.2974

■ 27.3934, 0.3169,
0.3448

■ 15.6227, 0.2952,
0.2708

■ 32.3418, 0.3221,
0.3654

■ 12.6613, 0.2856,
0.2429

■ 37.8315, 0.3265,
0.3840

■ 10.1466, 0.2749,
0.2143

■ 43.8787, 0.3301,
0.4007

■ 8.0556, 0.2632,
0.1859

■ 50.4986, 0.3331,
0.4157

■ 6.3631, 0.2508,
0.1590

■ 57.7062, 0.3355,
0.4290

■ 5.0412, 0.2382,
0.1350

■ 65.5158, 0.3376,
0.4409

■ 4.0582, 0.2257,
0.1150

■ 73.9410, 0.3392,
0.4516

■ 3.3768, 0.2140,
0.0999

■ 82.9953, 0.3406,
0.4611

Harmonies

Analogous

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



22.9684, 0.3070, 0.3217



22.9684, 0.3108, 0.3221



22.9684, 0.3152, 0.3243

Triad

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



22.9684, 0.3108, 0.3221



22.9684, 0.3208, 0.3347



22.9684, 0.3066, 0.3303

Complementary

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



22.9684, 0.3108, 0.3221



23.9430, 0.3146, 0.3359

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.



22.9684, 0.3103, 0.3338



22.9684, 0.3108, 0.3221



22.9684, 0.3185, 0.3364

Square

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



22.9684, 0.3108, 0.3221



22.9684, 0.3210, 0.3315



22.9684, 0.3146, 0.3361



22.9684, 0.3046, 0.3264

Rectangle

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



22.9684, 0.3108, 0.3221



22.9684, 0.3178, 0.3265



22.9684, 0.3146, 0.3361



22.9684, 0.3077, 0.3315

Sweetspot

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



22.9694, 0.3108, 0.3221



42.6019, 0.3121, 0.3266



23.3458, 0.3084, 0.3255



9.8782, 0.3121, 0.3268



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.



22.9694, 0.3108, 0.3221



40.3009, 0.3100, 0.3194



23.1303, 0.3130, 0.3222



5.0627, 0.3097, 0.3183



2.7691, 0.2065, 0.0911



0.0139, 0.2547, 0.1177

Inverse Universe

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



23.0741, 0.3152, 0.3256



40.5607, 0.3162, 0.3243



23.7851, 0.3124, 0.3359



5.0993, 0.3166, 0.3237



5.1212, 0.4927, 0.2488



0.0192, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 22.9684, 0.3108, 0.3221 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 22.9684, 0.3108, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

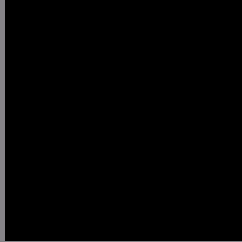
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

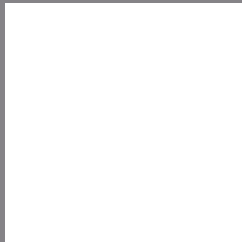
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9684, 0.3108, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 22.9684, 0.3108, 0.3221.



This preview shows how white text looks on a background with the Yxy color 22.9684, 0.3108, 0.3221.

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

22.9684, 0.3108, 0.3221

Protanopia

22.9684, 0.3108, 0.3221

Deuteranopia

23.0556, 0.3216, 0.3156



Tritanopia

22.9270, 0.3067, 0.3118

Trichromacy



Original Color

22.9684, 0.3108, 0.3221

Protanomaly

22.9684, 0.3108, 0.3221

Deuteranomaly

22.9671, 0.3168, 0.3171

Tritanomaly

22.8686, 0.3088, 0.3152

Monochromacy



Original Color

22.9684, 0.3108, 0.3221

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1015, 0.3117, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9684, 0.3108, 0.3221 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, 131, 135)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 135)  
}
```

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, 131, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.9684, 0.3108, 0.3221 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, 131, 135) }
```

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

```
.border{ border-color:rgb(133, 131, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 135);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9684, 0.3108, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 135) }
```

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

```
.background{ background-color: rgb(133,  
131, 135) }
```

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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