

Converting Colors

$Y_{xy}(21.9550, 0.3124, 0.3236)$

Have a look what the booklet for
Yxy(21.9550, 0.3124, 0.3236)
contains.

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Color

Yxy(21.9023, 0.3130, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	838083
RGB	131, 128, 131
RGB Percent	51%, 50%, 51%
CMY	0.4862, 0.4981, 0.4863
CMYK	0.00, 0.02, 0.00, 0.49
HSL	301°, 1%, 51%
HSV	301°, 2%, 51%
XYZ	21.1783, 21.9023, 24.5817
YIQ	129.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

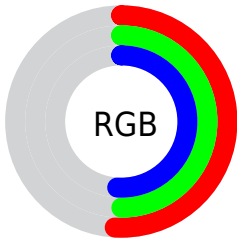
Format	Color
R_{YB}	131, 128, 131
Decimal	8618115
CIE Lab	53.92, 1.73, -1.22
CIE LCh	54, 2.120, 324.739
Yxy	21.9023, 0.3130, 0.3237
Android (android.graphics.Color)	4286808195 (0xFF838083)
YUV	129.2390, 0.8682, 1.5444
Hunter-Lab	46.7999, -1.1234, 1.6177

Details

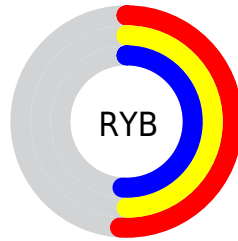
The Yxy color **21.9023, 0.3130, 0.3237** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.3873, 0.3124, 0.3344**, and the grayscale version is **22.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6988, 0.3129, 0.3251**, and **7.9950, 0.3131, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **18.6996, 0.3143, 0.3003**, and if you desaturate by 10%, it is **25.5483, 0.3118, 0.3462**.

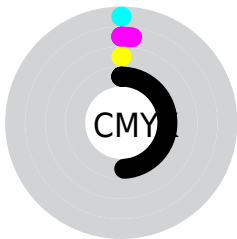
Distribution



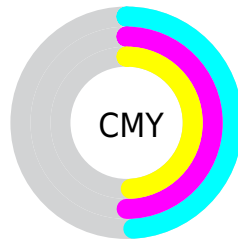
- Red (51%)
- Green (50%)
- Blue (51%)



- Red (51%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9023, 0.3130, 0.3237 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 21.9023, 0.3130, 0.3237 by changing the saturation by 10% instead.

■ 21.9023, 0.3130,
0.3237

■ 21.9023, 0.3130,
0.3237

262.0356, 0.3129,
0.3267

■ 13.7851, 0.3130,
0.3228

■ 46.5845, 0.3129,
0.3249

■ 7.9714, 0.3131,
0.3216

■ 63.9183, 0.3129,
0.3253

■ 4.0766, 0.3132,
0.3198

■ 85.0930, 0.3129,
0.3256

■ 1.7165, 0.3133,
0.3167

110.4932, 0.3129,
0.3259

■ 0.4343, 0.3143,
0.3000

140.5031, 0.3129,
0.3261

■ 0.0000, 0.0000,
0.0000

175.5073, 0.3129,

0.3264

215.8900, 0.3129,
0.3265

■ 21.9023, 0.3130,
0.3237

■ 21.9023, 0.3130,
0.3237

■ 18.6996, 0.3143,
0.3003

■ 25.5483, 0.3118,
0.3462

■ 15.9206, 0.3156,
0.2765

■ 29.6506, 0.3107,
0.3675

■ 13.5483, 0.3169,
0.2529

■ 34.2254, 0.3097,
0.3873

■ 11.5638, 0.3182,
0.2303

■ 39.2868, 0.3087,
0.4056

■ 9.9463, 0.3195,
0.2095

■ 44.8488, 0.3079,
0.4224

■ 8.6733, 0.3206,
0.1915

■ 50.9246, 0.3071,
0.4377

■ 7.7199, 0.3216,
0.1768

■ 57.5269, 0.3064,
0.4515

■ 7.0575, 0.3224,
0.1661

■ 64.6680, 0.3058,
0.4640

■ 6.6528, 0.3230,
0.1593

■ 72.3598, 0.3053,
0.4753

Harmonies

Analogous

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



21.9023, 0.3092, 0.3225



21.9023, 0.3130, 0.3237



21.9023, 0.3167, 0.3263

Triad

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



21.9023, 0.3130, 0.3237



21.9023, 0.3190, 0.3350



21.9023, 0.3062, 0.3284

Complementary

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



21.9023, 0.3130, 0.3237



22.3873, 0.3124, 0.3344

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.



21.9023, 0.3087, 0.3318



21.9023, 0.3130, 0.3237



21.9023, 0.3162, 0.3356

Square

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



21.9023, 0.3130, 0.3237



21.9023, 0.3202, 0.3328



21.9023, 0.3124, 0.3344



21.9023, 0.3053, 0.3252

Rectangle

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



21.9023, 0.3130, 0.3237



21.9023, 0.3186, 0.3285



21.9023, 0.3124, 0.3344



21.9023, 0.3068, 0.3295

Sweetspot

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



21.9032, 0.3130, 0.3237



40.0036, 0.3128, 0.3267



21.6657, 0.3094, 0.3236



9.3239, 0.3128, 0.3268



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.9032, 0.3130, 0.3237



38.7461, 0.3131, 0.3220



21.8633, 0.3146, 0.3263



5.1925, 0.3132, 0.3206



6.3283, 0.3233, 0.1555



0.0220, 0.3220, 0.1548

Inverse Universe

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



21.9032, 0.3130, 0.3237



38.7461, 0.3131, 0.3220



22.4267, 0.3109, 0.3317



5.1925, 0.3132, 0.3206



6.3283, 0.3233, 0.1555



0.0220, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 21.9023, 0.3130, 0.3237 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 21.9023, 0.3130, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

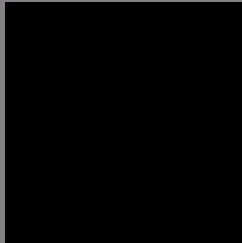
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

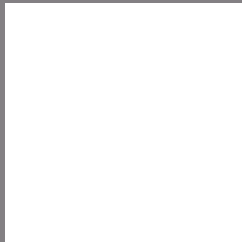
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9023, 0.3130, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 21.9023, 0.3130, 0.3237.



This preview shows how white text looks on a background with the Yxy color 21.9023, 0.3130, 0.3237.

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

21.9023, 0.3130, 0.3237

Protanopia

21.8229, 0.3118, 0.3237

Deuteranopia

21.9086, 0.3229, 0.3170



Tritanopia

21.8904, 0.3077, 0.3115

Trichromacy



Original Color

21.9023, 0.3130, 0.3237

Protanomaly

21.8229, 0.3118, 0.3237

Deuteranomaly

21.9060, 0.3192, 0.3186

Tritanomaly

21.8335, 0.3099, 0.3150

Monochromacy



Original Color

21.9023, 0.3130, 0.3237

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0580, 0.3128, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9023, 0.3130, 0.3237 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, 128, 131)` looks like.

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

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, 128, 131) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 21.9023, 0.3130, 0.3237 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, 128, 131) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 21.9023, 0.3130, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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