

Converting Colors

$Y_{xy}(20.8402, 0.3923, 0.3240)$

Have a look what the booklet for
Yxy(20.8402, 0.3923, 0.3240)
contains.

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Color

Yxy(20.7875, 0.3924, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	AB6D71
RGB	171, 109, 113
RGB Percent	67%, 43%, 44%
CMY	0.3294, 0.5726, 0.5569
CMYK	0.00, 0.36, 0.34, 0.33
HSL	356°, 27%, 55%
HSV	356°, 36%, 67%
XYZ	25.2461, 20.7875, 18.3041
YIQ	127.9940, 35.6680, 14.3880

Conversions

Conversions Part 2

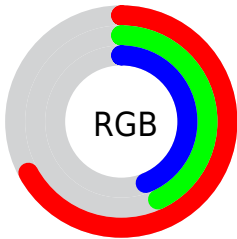
Format	Color
RYB	171, 109, 113
Decimal	11234673
CIELab	52.72, 25.22, 8.10
CIElCh	53, 26.484, 17.799
Yxy	20.7875, 0.3924, 0.3231
Android (android.graphics.Color)	4289424753 (0xFFAB6D71)
YUV	127.9940, -7.3920, 37.7163
Hunter-Lab	45.5933, 19.0514, 8.1125

Details

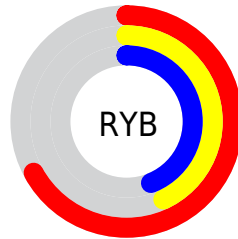
The Yxy color **20.7875, 0.3924, 0.3231** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.1727, 0.2655, 0.3353**, and the grayscale version is **21.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7003, 0.3741, 0.3245**, and **7.3953, 0.4268, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **17.1589, 0.4268, 0.3216**, and if you desaturate by 10%, it is **25.1915, 0.3640, 0.3248**.

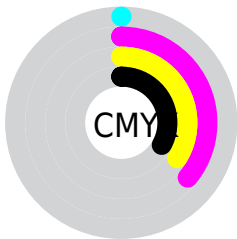
Distribution



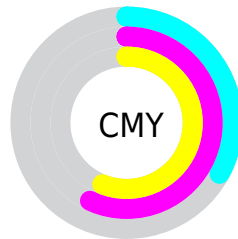
- Red (67%)
- Green (43%)
- Blue (44%)



- Red (67%)
- Yellow (43%)
- Blue (44%)



- Cyan (0%)
- Magenta (36%)
- Yellow (34%)
- Black (33%)





- Cyan (33%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7875, 0.3924, 0.3231 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 20.7875, 0.3924, 0.3231 by changing the saturation by 10% instead.


 20.7875, 0.3924,
0.3231


 20.7875, 0.3924,
0.3231


256.1470, 0.3469,
0.3274


 12.9688, 0.4061,
0.3214


 44.7336, 0.3742,
0.3251


 7.4070, 0.4255,
0.3186


 61.6298, 0.3679,
0.3257

 3.7179, 0.4547,
0.3136

 82.3205, 0.3628,
0.3262

 1.5171, 0.5031,
0.3035

 107.1903, 0.3585,
0.3265

 0.3007, 0.7501,
0.2499

136.6234, 0.3549,
0.3268

 0.0000, 0.0000,
0.0000

171.0043, 0.3518,

0.3270

210.7174, 0.3492,
0.3272

■ 20.7875, 0.3924,
0.3231

■ 20.7875, 0.3924,
0.3231

■ 17.1589, 0.4268,
0.3216

■ 25.1915, 0.3640,
0.3248

■ 14.2580, 0.4672,
0.3205

■ 30.4088, 0.3410,
0.3264

■ 12.0365, 0.5120,
0.3201


■ 36.4789, 0.3224,
0.3281


■ 10.4391, 0.5573,
0.3208


■ 43.4373, 0.3075,
0.3295


■ 9.4018, 0.5970,
0.3228

■ 51.3179, 0.2955,
0.3309


 8.8387, 0.6250,
0.3256

 60.1526, 0.2858,
0.3322

 8.6838, 0.6326,
0.3259

 69.9718, 0.2778,
0.3333

 80.8047, 0.2713,
0.3343

 87.3995, 0.2657,
0.3289

Harmonies

Analogous

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



20.7875, 0.3519, 0.2880



20.7875, 0.3924, 0.3231



20.7875, 0.4095, 0.3617

Triad

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



20.7875, 0.3924, 0.3231



20.7875, 0.3169, 0.4095



20.7875, 0.2321, 0.2586

Complementary

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



20.7875, 0.3924, 0.3231



35.1727, 0.2655, 0.3353

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.



20.7875, 0.2246, 0.2846



20.7875, 0.3924, 0.3231



20.7875, 0.2712, 0.3754

Square

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



20.7875, 0.3924, 0.3231



20.7875, 0.3636, 0.4157



20.7875, 0.2382, 0.3273



20.7875, 0.2594, 0.2517

Rectangle

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



20.7875, 0.3924, 0.3231



20.7875, 0.4050, 0.3856



20.7875, 0.2382, 0.3273



20.7875, 0.2273, 0.2651

Sweetspot

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



20.7885, 0.3924, 0.3231



59.7660, 0.3311, 0.3273



22.0800, 0.3120, 0.2398



13.0135, 0.3335, 0.3271



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.7885, 0.3924, 0.3231



31.6065, 0.4213, 0.3218



27.3357, 0.3834, 0.3698



8.0234, 0.3277, 0.3276



6.5481, 0.6314, 0.3252



0.1848, 0.5962, 0.3058

Inverse Universe

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



20.7885, 0.3924, 0.3231



31.6065, 0.4213, 0.3218



26.1809, 0.2566, 0.2840



8.0234, 0.3277, 0.3276



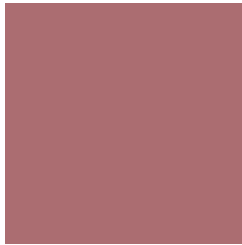
6.5481, 0.6314, 0.3252



0.1848, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 20.7875, 0.3924, 0.3231 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 20.7875, 0.3924, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

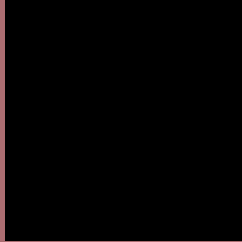
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7875, 0.3924, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 20.7875, 0.3924, 0.3231.



This preview shows how white text looks on a background with the Yxy color 20.7875, 0.3924, 0.3231.

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

20.7875, 0.3924, 0.3231

Protanopia

20.9940, 0.3208, 0.3363

Deuteranopia

20.9961, 0.3538, 0.3482



Tritanopia

20.6674, 0.3872, 0.3154

Trichromacy



Original Color

20.7875, 0.3924, 0.3231

Protanomaly

20.6941, 0.3445, 0.3308

Deuteranomaly

20.7625, 0.3676, 0.3375

Tritanomaly

20.6440, 0.3886, 0.3170

Monochromacy



Original Color

20.7875, 0.3924, 0.3231

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0341, 0.3393, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7875, 0.3924, 0.3231 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(171, 109, 113)` looks like.

```
.text, #text, p{  
    color:rgb(171, 109, 113)  
}
```

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(171, 109, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 109, 113) }
```

Border

The CSS property to change the border of an element to Yxy 20.7875, 0.3924, 0.3231 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(171, 109, 113) }
```

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

```
.border{ border-color:rgb(171, 109, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 109, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 109, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 109, 113);  
box-shadow:4px 4px 4px 4px rgb(171, 109,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7875, 0.3924, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 109, 113) }
```

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

```
.background{ background-color: rgb(171,  
109, 113) }
```

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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