

Converting Colors

$Y_{xy}(23.7621, 0.3686, 0.3171)$

Have a look what the booklet for
Yxy(23.7621, 0.3686, 0.3171)
contains.

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Color

Yxy(23.7621, 0.3686, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	AC7880
RGB	172, 120, 128
RGB Percent	67%, 47%, 50%
CMY	0.3256, 0.5293, 0.4980
CMYK	0.00, 0.30, 0.26, 0.33
HSL	351°, 24%, 57%
HSV	351°, 30%, 67%
XYZ	27.6213, 23.7621, 23.5523
YIQ	136.4600, 28.4240, 13.5120

Conversions

Conversions Part 2

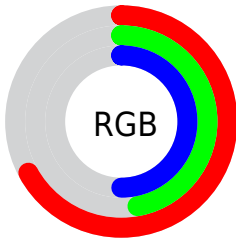
Format	Color
R_{YB}	172, 120, 128
Decimal	11303040
CIE _{Lab}	55.85, 21.49, 3.82
CIE _{LCh}	56, 21.830, 10.079
Yxy	23.7621, 0.3686, 0.3171
Android (android.graphics.Color)	4289493120 (0xFFAC7880)
YUV	136.4600, -4.1708, 31.1686
Hunter-Lab	48.7464, 15.8377, 5.4759

Details

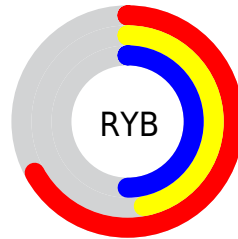
The Yxy color $23.7621, 0.3686, 0.3171$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $36.1687, 0.2756, 0.3415$, and the grayscale version is $24.8104, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.7173, 0.3557, 0.3199$, and $8.9225, 0.3895, 0.3121$ is the 20% darker color. If you saturate the color by 10%, you get $19.6346, 0.3962, 0.3131$, and if you desaturate by 10%, it is $28.6897, 0.3460, 0.3212$.

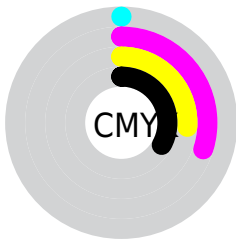
Distribution



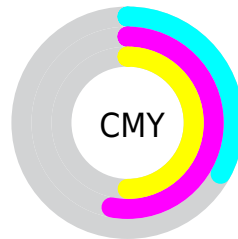
- Red (67%)
- Green (47%)
- Blue (50%)



- Red (67%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (30%)
- Yellow (26%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7621, 0.3686, 0.3171 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 23.7621, 0.3686, 0.3171 by changing the saturation by 10% instead.


 23.7621, 0.3686,
0.3171


 23.7621, 0.3686,
0.3171


271.6155, 0.3374,
0.3241


 15.1572, 0.3777,
0.3149


 49.6417, 0.3563,
0.3199

 8.9298, 0.3904,
0.3118


 67.6852, 0.3520,
0.3209

 4.6954, 0.4090,
0.3070


 89.6438, 0.3485,
0.3217

 2.0697, 0.4393,
0.2987

115.9017, 0.3455,
0.3223

 0.6475, 0.5202,
0.2862

146.8435, 0.3430,
0.3229

 0.0000, 1.0000,
0.0000

182.8534, 0.3409,

 0.0000, 0.0000,

0.3233

0.0000

224.3160, 0.3390,
0.3237

■ 23.7621, 0.3686,
0.3171

■ 23.7621, 0.3686,
0.3171

■ 19.6346, 0.3962,
0.3131

■ 28.6897, 0.3460,
0.3212

■ 16.2618, 0.4292,
0.3095

■ 34.4531, 0.3278,
0.3252

■ 13.5988, 0.4676,
0.3070


■ 41.0898, 0.3130,
0.3289

■ 11.5946, 0.5096,
0.3061


■ 48.6341, 0.3010,
0.3324

■ 10.1913, 0.5519,
0.3078


■ 57.1184, 0.2913,
0.3355

 9.3210, 0.5894,
0.3122

 66.5736, 0.2834,
0.3384

 8.8439, 0.6176,
0.3176

 77.0291, 0.2769,
0.3409

 86.8460, 0.2712,
0.3405

 87.5075, 0.2661,
0.3289

Harmonies

Analogous

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



23.7621, 0.3341, 0.2899



23.7621, 0.3686, 0.3171



23.7621, 0.3875, 0.3483

Triad

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



23.7621, 0.3686, 0.3171



23.7621, 0.3266, 0.3950



23.7621, 0.2449, 0.2771

Complementary

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



23.7621, 0.3686, 0.3171



36.1687, 0.2756, 0.3415

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.



23.7621, 0.2433, 0.3023



23.7621, 0.3686, 0.3171



23.7621, 0.2889, 0.3734

Square

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



23.7621, 0.3686, 0.3171



23.7621, 0.3619, 0.3952



23.7621, 0.2589, 0.3380



23.7621, 0.2633, 0.2670

Rectangle

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



23.7621, 0.3686, 0.3171



23.7621, 0.3881, 0.3681



23.7621, 0.2589, 0.3380



23.7621, 0.2424, 0.2840

Sweetspot

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



23.7632, 0.3686, 0.3171



63.7141, 0.3261, 0.3256



24.2343, 0.3064, 0.2532



13.4994, 0.3284, 0.3251



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.



23.7632, 0.3686, 0.3171



38.1429, 0.3857, 0.3145



28.1109, 0.3713, 0.3551



8.0347, 0.3263, 0.3255



6.5891, 0.6156, 0.3165



0.1893, 0.5471, 0.2788

Inverse Universe

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



23.7632, 0.3686, 0.3171



38.1429, 0.3857, 0.3145



30.2995, 0.2669, 0.3012



8.0347, 0.3263, 0.3255



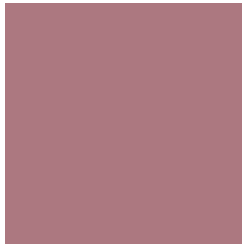
6.5891, 0.6156, 0.3165



0.1893, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 23.7621, 0.3686, 0.3171 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 23.7621, 0.3686, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

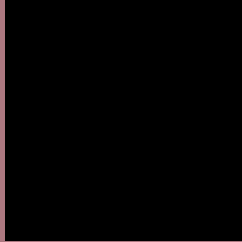
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7621, 0.3686, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 23.7621, 0.3686, 0.3171.



This preview shows how white text looks on a background with the Yxy color 23.7621, 0.3686, 0.3171.

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

23.7621, 0.3686, 0.3171

Protanopia

23.7869, 0.3130, 0.3239

Deuteranopia

23.9557, 0.3409, 0.3357



Tritanopia

23.7886, 0.3674, 0.3156

Trichromacy



Original Color

23.7621, 0.3686, 0.3171

Protanomaly

23.5214, 0.3321, 0.3208

Deuteranomaly

23.7231, 0.3506, 0.3275

Tritanomaly

23.7886, 0.3674, 0.3156

Monochromacy



Original Color

23.7621, 0.3686, 0.3171

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0483, 0.3317, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7621, 0.3686, 0.3171 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(172, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 120, 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(172, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 120, 128) }
```

Border

The CSS property to change the border of an element to Yxy 23.7621, 0.3686, 0.3171 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(172, 120, 128) }
```

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

```
.border{ border-color:rgb(172, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 120,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7621, 0.3686, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 120, 128) }
```

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

```
.background{ background-color: rgb(172,  
120, 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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