

Converting Colors

$Y_{xy}(19.6421, 0.3841, 0.3224)$

Have a look what the booklet for
Yxy(19.6421, 0.3841, 0.3224)
contains.

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Color

Yxy(19.6815, 0.3837, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	A36C70
RGB	163, 108, 112
RGB Percent	64%, 42%, 44%
CMY	0.3607, 0.5765, 0.5608
CMYK	0.00, 0.34, 0.31, 0.36
HSL	356°, 23%, 53%
HSV	356°, 34%, 64%
XYZ	23.3946, 19.6815, 17.8950
YIQ	124.9010, 31.4960, 12.9040

Conversions

Conversions Part 2

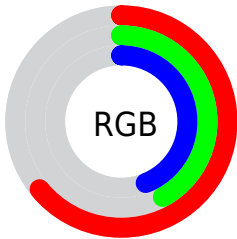
Format	Color
R_{YB}	163, 108, 112
Decimal	10710128
CIE _{Lab}	51.48, 22.51, 6.78
CIE _{LCh}	51, 23.509, 16.774
Yxy	19.6815, 0.3837, 0.3228
Android (android.graphics.Color)	4288900208 (0xFFA36C70)
YUV	124.9010, -6.3602, 33.4128
Hunter-Lab	44.3638, 16.4928, 7.1389

Details

The Yxy color **19.6815, 0.3837, 0.3228** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.8934, 0.2687, 0.3355**, and the grayscale version is **20.4876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8820, 0.3667, 0.3243**, and **6.9169, 0.4153, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **16.2507, 0.4161, 0.3210**, and if you desaturate by 10%, it is **23.8137, 0.3571, 0.3247**.

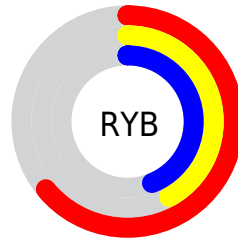
Distribution



Red (64%)

Green (42%)

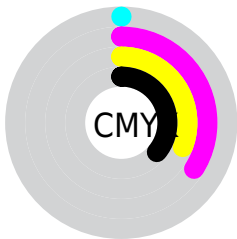
Blue (44%)



Red (64%)

Yellow (42%)

Blue (44%)

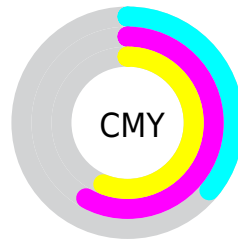


Cyan (0%)

Magenta (34%)

Yellow (31%)

Black (36%)



Cyan (36%)


Magenta (58%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6815, 0.3837, 0.3228 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 19.6815, 0.3837, 0.3228 by changing the saturation by 10% instead.


 19.6815, 0.3837,
0.3228


 19.6815, 0.3837,
0.3228


250.1856, 0.3428,
0.3271


 12.1637, 0.3962,
0.3211


 42.8825, 0.3673,
0.3247


 6.8553, 0.4140,
0.3185


 59.3346, 0.3616,
0.3253

 3.3718, 0.4412,
0.3138

 79.5336, 0.3570,
0.3258

 1.3288, 0.4875,
0.3043

 103.8638, 0.3532,
0.3262

 0.1633, 0.8119,
0.1881

132.7098, 0.3500,
0.3265

 0.0000, 0.0000,
0.0000

166.4558, 0.3473,

0.3267

205.4863, 0.3449,
0.3269

■ 19.6815, 0.3837,
0.3228

■ 19.6815, 0.3837,
0.3228

■ 16.2507, 0.4161,
0.3210

■ 23.8137, 0.3571,
0.3247

■ 13.4796, 0.4544,
0.3196

■ 28.6801, 0.3356,
0.3266

■ 11.3268, 0.4978,
0.3189


■ 34.3151, 0.3183,
0.3284


■ 9.7448, 0.5430,
0.3193


■ 40.7498, 0.3044,
0.3300


■ 8.6791, 0.5849,
0.3210

■ 48.0139, 0.2931,
0.3315


 8.0651, 0.6169,
0.3240

 56.1353, 0.2839,
0.3329

 7.8150, 0.6312,
0.3251

 65.1409, 0.2764,
0.3341

 75.0560, 0.2702,
0.3352

 85.9053, 0.2651,
0.3363

Harmonies

Analogous

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



19.6815, 0.3468, 0.2907



19.6815, 0.3837, 0.3228



19.6815, 0.4001, 0.3581

Triad

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



19.6815, 0.3837, 0.3228



19.6815, 0.3183, 0.4018



19.6815, 0.2387, 0.2656

Complementary

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



19.6815, 0.3837, 0.3228



31.8934, 0.2687, 0.3355

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.



19.6815, 0.2325, 0.2903



19.6815, 0.3837, 0.3228



19.6815, 0.2765, 0.3720

Square

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



19.6815, 0.3837, 0.3228



19.6815, 0.3604, 0.4070



19.6815, 0.2458, 0.3293



19.6815, 0.2632, 0.2584

Rectangle

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



19.6815, 0.3837, 0.3228



19.6815, 0.3967, 0.3799



19.6815, 0.2458, 0.3293



19.6815, 0.2345, 0.2719

Sweetspot

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



19.6824, 0.3837, 0.3228



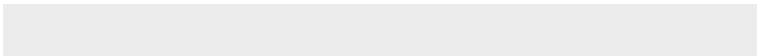
54.7894, 0.3290, 0.3272



20.6823, 0.3110, 0.2459



12.0112, 0.3314, 0.3270



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.6824, 0.3837, 0.3228



30.2242, 0.4091, 0.3214



25.0830, 0.3775, 0.3653



7.0939, 0.3274, 0.3274



6.0748, 0.6300, 0.3244



0.1300, 0.5863, 0.3004

Inverse Universe

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



19.6824, 0.3837, 0.3228



30.2242, 0.4091, 0.3214



24.6163, 0.2609, 0.2894



7.0939, 0.3274, 0.3274



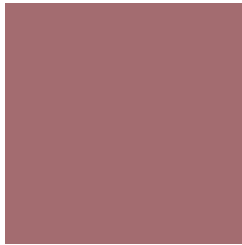
6.0748, 0.6300, 0.3244



0.1300, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 19.6815, 0.3837, 0.3228 looks on a white background.

Color Contrast Check

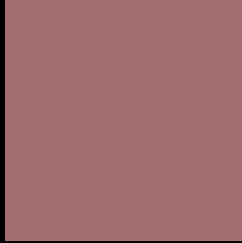
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6815, 0.3837, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

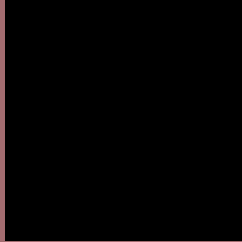
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6815, 0.3837, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 19.6815, 0.3837, 0.3228.



This preview shows how white text looks on a background with the Yxy color 19.6815, 0.3837, 0.3228.

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

19.6815, 0.3837, 0.3228

Protanopia

19.7108, 0.3200, 0.3327

Deuteranopia

19.8949, 0.3509, 0.3451



Tritanopia

19.5629, 0.3784, 0.3148

Trichromacy



Original Color

19.6815, 0.3837, 0.3228

Protanomaly

19.4959, 0.3413, 0.3291

Deuteranomaly

19.7051, 0.3617, 0.3360

Tritanomaly

19.5397, 0.3799, 0.3164

Monochromacy



Original Color

19.6815, 0.3837, 0.3228

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0387, 0.3370, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6815, 0.3837, 0.3228 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(163, 108, 112)` looks like.

```
.text, #text, p{  
    color:rgb(163, 108, 112)  
}
```

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(163, 108, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 108, 112) }
```

Border

The CSS property to change the border of an element to Yxy 19.6815, 0.3837, 0.3228 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(163, 108, 112) }
```

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

```
.border{ border-color:rgb(163, 108, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 108, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 108, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 108, 112);  
box-shadow:4px 4px 4px 4px rgb(163, 108,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6815, 0.3837, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 108, 112) }
```

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

```
.background{ background-color: rgb(163,  
108, 112) }
```

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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