

Converting Colors

$Y_{xy}(19.0086, 0.3623, 0.3637)$

Have a look what the booklet for
Yxy(19.0086, 0.3623, 0.3637)
contains.

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Color

Yxy(18.9228, 0.3630, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	897562
RGB	137, 117, 98
RGB Percent	54%, 46%, 38%
CMY	0.4628, 0.5411, 0.6157
CMYK	0.00, 0.15, 0.28, 0.46
HSL	29°, 17%, 46%
HSV	29°, 28%, 54%
XYZ	18.8812, 18.9228, 14.2103
YIQ	120.8140, 18.0190, -1.6690

Conversions

Conversions Part 2

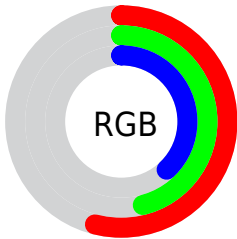
Format	Color
R_{YB}	137, 135, 98
Decimal	9008482
CIE _{Lab}	50.60, 4.69, 13.37
CIE _{LCh}	51, 14.172, 70.683
Yxy	18.9228, 0.3630, 0.3638
Android (android.graphics.Color)	4287198562 (0xFF897562)
YUV	120.8140, -11.2473, 14.1951
Hunter-Lab	43.5003, 1.3518, 11.0819

Details

The Yxy color **18.9228, 0.3630, 0.3638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3537, 0.2691, 0.2914**, and the grayscale version is **19.0900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6222, 0.3512, 0.3557**, and **6.4737, 0.3844, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **17.1115, 0.3851, 0.3766**, and if you desaturate by 10%, it is **20.9028, 0.3432, 0.3511**.

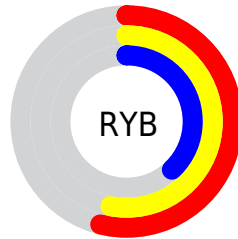
Distribution



Red (54%)

Green (46%)

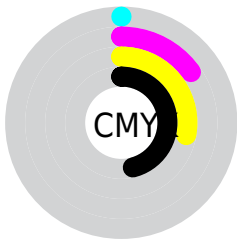
Blue (38%)



Red (54%)

Yellow (53%)

Blue (38%)

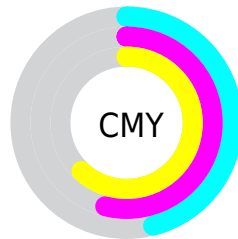


Cyan (0%)

Magenta (15%)

Yellow (28%)

Black (46%)



Cyan (46%)


Magenta (54%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9228, 0.3630, 0.3638 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 18.9228, 0.3630, 0.3638 by changing the saturation by 10% instead.


 18.9228, 0.3630,
0.3638


 18.9228, 0.3630,
0.3638


246.0222, 0.3340,
0.3442


 11.6145, 0.3719,
0.3695


 41.6036, 0.3514,
0.3561


 6.4818, 0.3845,
0.3775


 57.7449, 0.3473,
0.3534

 3.1402, 0.4037,
0.3890

 77.5994, 0.3441,
0.3511

 1.2053, 0.4550,
0.4245

 101.5513, 0.3414,
0.3493

 0.0661, 0.7285,
0.2715

129.9852, 0.3391,
0.3477

 0.0000, 0.0000,
0.0000

163.2854, 0.3371,

0.3464

201.8363, 0.3355,
0.3452

■ 18.9228, 0.3630,
0.3638

■ 18.9228, 0.3630,
0.3638

■ 17.1115, 0.3851,
0.3766

■ 20.9028, 0.3432,
0.3511

■ 15.4614, 0.4096,
0.3888

■ 23.0537, 0.3258,
0.3389

■ 13.9681, 0.4358,
0.3997

■ 25.3808, 0.3105,
0.3273

■ 12.6262, 0.4630,
0.4082

■ 27.8882, 0.2972,
0.3165

■ 11.4294, 0.4898,
0.4131

■ 30.5803, 0.2855,
0.3065

■ 10.3713, 0.5148,
0.4134

■ 33.4609, 0.2753,
0.2973

■ 9.4404, 0.5372,
0.4095

■ 36.5339, 0.2665,
0.2888

■ 9.3074, 0.5407,
0.4088

■ 39.8030, 0.2587,
0.2811

■ 43.2719, 0.2518,
0.2740

Harmonies

Analogous

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



18.9228, 0.3650, 0.3439



18.9228, 0.3630, 0.3638



18.9228, 0.3472, 0.3755

Triad

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



18.9228, 0.3630, 0.3638



18.9228, 0.2744, 0.3351



18.9228, 0.3013, 0.2882

Complementary

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



18.9228, 0.3630, 0.3638



17.3537, 0.2691, 0.2914

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.



18.9228, 0.2781, 0.2848



18.9228, 0.3630, 0.3638



18.9228, 0.2632, 0.3105

Square

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



18.9228, 0.3630, 0.3638



18.9228, 0.2958, 0.3591



18.9228, 0.2645, 0.2924



18.9228, 0.3285, 0.3014

Rectangle

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



18.9228, 0.3630, 0.3638



18.9228, 0.3312, 0.3762



18.9228, 0.2645, 0.2924



18.9228, 0.2928, 0.2859

Sweetspot

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



18.9237, 0.3630, 0.3638



40.9983, 0.3270, 0.3397



15.3630, 0.3419, 0.2925



9.0818, 0.3291, 0.3413



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.



18.9237, 0.3630, 0.3638



31.8197, 0.3766, 0.3718



23.9045, 0.3543, 0.3963



5.4248, 0.3269, 0.3397



8.6946, 0.5403, 0.4092



0.0869, 0.4788, 0.4580

Inverse Universe

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



17.3537, 0.2691, 0.2914



28.5392, 0.2592, 0.2817



13.2581, 0.2651, 0.2515



5.2883, 0.2991, 0.3181



5.8106, 0.1796, 0.1664



0.0679, 0.2005, 0.2418

Previews

White Background



This preview shows how the Yxy color 18.9228, 0.3630, 0.3638 looks on a white background.

Color Contrast Check

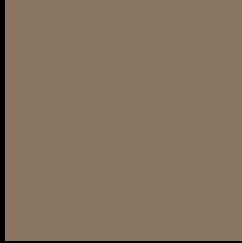
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9228, 0.3630, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

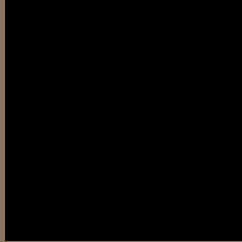
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

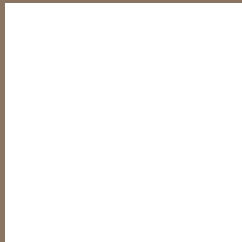
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9228, 0.3630, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 18.9228, 0.3630, 0.3638.



This preview shows how white text looks on a background with the Yxy color 18.9228, 0.3630, 0.3638.

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

18.9228, 0.3630, 0.3638

Protanopia

18.8651, 0.3457, 0.3671

Deuteranopia

18.9481, 0.3676, 0.3615



Tritanopia

19.0152, 0.3370, 0.3150

Trichromacy



Original Color

18.9228, 0.3630, 0.3638

Protanomaly

18.9198, 0.3527, 0.3665

Deuteranomaly

18.8616, 0.3662, 0.3617

Tritanomaly

18.9427, 0.3470, 0.3327

Monochromacy



Original Color

18.9228, 0.3630, 0.3638

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1372, 0.3299, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9228, 0.3630, 0.3638 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(137, 117, 98)` looks like.

```
.text, #text, p{  
    color:rgb(137, 117, 98)  
}
```

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(137, 117, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 117, 98) }
```

Border

The CSS property to change the border of an element to Yxy 18.9228, 0.3630, 0.3638 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(137, 117, 98) }
```

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

```
.border{ border-color:rgb(137, 117, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 117, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(137, 117,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9228, 0.3630, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 117, 98) }
```

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

```
.background{ background-color: rgb(137,  
117, 98) }
```

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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