

Converting Colors

XYZ(19.5219, 19.7365, 18.9440)

Have a look what the booklet for
XYZ(19.5219, 19.7365, 18.9440)
contains.

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Color

**XYZ(19.4838, 19.6573,
18.9870)**

Conversions

Conversions Part 1

Format	Color
Hex	857873
RGB	133, 120, 115
RGB Percent	52%, 47%, 45%
CMY	0.4784, 0.5294, 0.5490
CMYK	0.00, 0.10, 0.14, 0.48
HSL	17°, 7%, 49%
HSV	17°, 14%, 52%
XYZ	19.4838, 19.6573, 18.9870
YIQ	123.3170, 9.3530, 1.2010

Conversions

Conversions Part 2

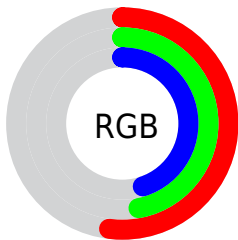
Format	Color
RYB	133, 122, 115
Decimal	8747123
CIELab	51.45, 4.09, 4.55
CIElCh	51, 6.121, 48.046
Yxy	19.6573, 0.3352, 0.3382
Android (android.graphics.Color)	4286937203 (0xFF857873)
YUV	123.3170, -4.1003, 8.4920
Hunter-Lab	44.3366, 0.8533, 5.6448

Details

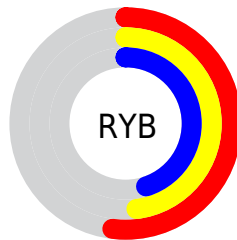
The XYZ color **19.4838, 19.6573, 18.9870** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0228, 20.7760, 25.1979**, and the grayscale version is **18.9428, 19.9293, 21.7031**.

A 20% lighter version of the original color is **41.9773, 42.7342, 42.5953**, and **6.8978, 6.8790, 6.2744** is the 20% darker color. If you saturate the color by 10%, you get **17.6755, 17.1783, 14.8769**, and if you desaturate by 10%, it is **21.5195, 22.4139, 23.7182**.

Distribution



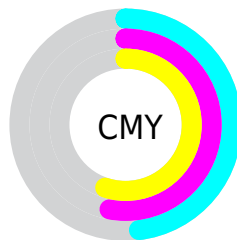
- Red (52%)
- Green (47%)
- Blue (45%)



- Red (52%)
- Yellow (48%)
- Blue (45%)



- Cyan (0%)
- Magenta (10%)
- Yellow (14%)
- Black (48%)



- Cyan (48%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4838, 19.6573, 18.9870 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 XYZ color 19.4838, 19.6573, 18.9870 by changing the saturation by 10% instead.

■ 19.4838, 19.6573,
18.9870

■ 19.4838, 19.6573,
18.9870

241.9939,
250.0538, 258.7973

■ 12.1265, 12.1462,
11.4842

■ 42.0606, 42.8419,
42.5485

■ 6.9027, 6.8433,
6.2752

■ 58.0108, 59.2841,
59.4443

■ 3.4471, 3.3643,
2.9417

■ 77.5559, 79.4722,
80.3082

■ 1.3944, 1.3248,
1.0649

101.0614,
103.7905, 105.5586

■ 0.2522, 0.1602,
0.0000

128.8926,
132.6234, 135.6142

■ 0.0000, 0.0000,
0.0000

161.4149,

166.3553, 170.8935

198.9935,
205.3707, 211.8150

■ 19.4838, 19.6573,
18.9870

■ 19.4838, 19.6573,
18.9870

■ 17.6755, 17.1783,
14.8769

■ 21.5195, 22.4139,
23.7182

■ 16.0849, 14.9657,
11.3607

■ 23.7886, 25.4538,
29.0937

■ 14.7040, 13.0112,
8.4112

■ 26.2990, 28.7858,
35.1369

■ 13.5234, 11.3051,
5.9982

■ 29.0577, 32.4176,
41.8698

■ 12.5332, 9.8371,
4.0890

■ 32.0714, 36.3563,
49.3132

■ 11.7228, 8.5961,
2.6472

■ 35.3465, 40.6092,
57.4873

■ 11.0798, 7.5702,
1.6313

■ 38.8892, 45.1830,
66.4112

■ 10.5903, 6.7460,
0.9909

■ 42.7055, 50.0843,
76.1035

■ 10.3334, 6.3075,
0.6728

■ 46.8012, 55.3197,
86.5821

Harmonies

Analogous

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



19.8284, 19.6573, 20.3734



19.4838, 19.6573, 18.9870



18.9292, 19.6573, 18.2642

Triad

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



19.4838, 19.6573, 18.9870



17.5527, 19.6573, 20.7110



19.0517, 19.6573, 24.7806

Complementary

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



19.4838, 19.6573, 18.9870



19.0228, 20.7760, 25.1979

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.



18.4403, 19.6573, 24.8832



19.4838, 19.6573, 18.9870



17.5839, 19.6573, 22.4677

Square

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



19.4838, 19.6573, 18.9870



17.8197, 19.6573, 19.2225



17.9058, 19.6573, 24.0167



19.5752, 19.6573, 23.7435

Rectangle

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



19.4838, 19.6573, 18.9870



18.5190, 19.6573, 18.2282



17.9058, 19.6573, 24.0167



18.8494, 19.6573, 24.9275

Sweetspot

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



19.4843, 19.6582, 18.9874



38.3228, 39.8503, 41.9720



19.7132, 18.8120, 23.0834



8.5765, 8.9007, 9.3216



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.4843, 19.6582, 18.9874



33.9352, 33.8973, 31.8083



20.5914, 21.8723, 19.3564



4.7702, 4.8840, 4.9207



9.8489, 6.0204, 0.6430



0.0396, 0.0318, 0.0041

Inverse Universe

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



19.0228, 20.7760, 25.1979



32.9543, 36.2716, 45.0026



17.9247, 18.5798, 24.8319



4.6951, 5.0659, 5.9311



8.0268, 9.6015, 22.5669



0.0340, 0.0456, 0.0802

Previews

White Background



This preview shows how the XYZ color 19.4838, 19.6573, 18.9870 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 XYZ color 19.4838, 19.6573, 18.9870 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](#).

XYZ 19.4838, 19.6573, 18.9870

Background



This preview shows how black text looks on a background with the XYZ color 19.4838, 19.6573, 18.9870.



This preview shows how white text looks on a background with the XYZ color 19.4838, 19.6573,

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

19.4838, 19.6573, 18.9870

Protanopia

18.7161, 19.6156, 19.3227

Deuteranopia

19.8895, 19.5130, 18.9378



Tritanopia

20.3009, 19.6401, 22.7996

Trichromacy



Original Color

19.4838, 19.6573, 18.9870

Protanomaly

19.0430, 19.6028, 19.3030

Deuteranomaly

19.8447, 19.6657, 18.9696

Tritanomaly

20.0035, 19.6920, 21.4855

Monochromacy



Original Color

19.4838, 19.6573, 18.9870

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1021, 19.7872, 20.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4838, 19.6573, 18.9870 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(133, 120, 115)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 115)  
}
```

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(133, 120, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.4838, 19.6573, 18.9870 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(133, 120, 115) }
```


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

```
.border{ border-color:rgb(133, 120, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 115);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4838, 19.6573, 18.9870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 115) }
```

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

```
.background{ background-color: rgb(133,  
120, 115) }
```

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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