

Converting Colors

XYZ(19.7575, 19.1365, 12.0338)

Have a look what the booklet for
XYZ(19.7575, 19.1365, 12.0338)
contains.

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Color

**XYZ(19.7880, 19.0937,
12.0937)**

Conversions

Conversions Part 1

Format	Color
Hex	927359
RGB	146, 115, 89
RGB Percent	57%, 45%, 35%
CMY	0.4274, 0.5490, 0.6510
CMYK	0.00, 0.21, 0.39, 0.43
HSL	27°, 24%, 46%
HSV	27°, 39%, 57%
XYZ	19.7880, 19.0937, 12.0937
YIQ	121.3050, 26.8220, -1.5140

Conversions

Conversions Part 2

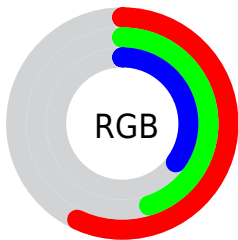
Format	Color
R_{YB}	146, 137, 89
Decimal	9597785
CIE _{Lab}	50.80, 8.42, 19.03
CIE _{LCh}	51, 20.810, 66.121
Yxy	19.0937, 0.3882, 0.3746
Android (android.graphics.Color)	4287787865 (0xFF927359)
YUV	121.3050, -15.9264, 21.6575
Hunter-Lab	43.6963, 4.3656, 14.1779

Details

The XYZ color **19.7880, 19.0937, 12.0937** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.0245, 17.6316, 29.7529**, and the grayscale version is **18.3169, 19.2708, 20.9860**.

A 20% lighter version of the original color is **42.5663, 41.9190, 30.2738**, and **7.0593, 6.5684, 3.1813** is the 20% darker color. If you saturate the color by 10%, you get **18.3681, 17.1396, 8.8898**, and if you desaturate by 10%, it is **21.4085, 21.2543, 15.9648**.

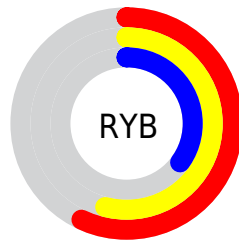
Distribution



Red (57%)

Green (45%)

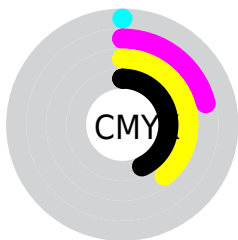
Blue (35%)



Red (57%)

Yellow (54%)

Blue (35%)

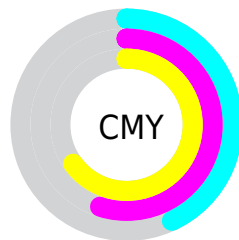


Cyan (0%)

Magenta (21%)

Yellow (39%)

Black (43%)



Cyan (43%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7880, 19.0937, 12.0937 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 19.7880, 19.0937, 12.0937 by changing the saturation by 10% instead.

■ 19.7880, 19.0937,
12.0937

■ 19.7880, 19.0937,
12.0937

243.6206,
246.9656, 216.0245

■ 12.3484, 11.7380,
6.6842

■ 42.5681, 41.8924,
30.3326

■ 7.0553, 6.5655,
3.1900

■ 58.6394, 58.1041,
43.9991

■ 3.5433, 3.1919,
1.1924

■ 78.3185, 78.0367,
61.2550

■ 1.4472, 1.2327,
0.0000

■ 101.9710,
102.0745, 82.5188

■ 0.2895, 0.0882,
0.0000

■ 129.9620,
130.6019, 108.2091

■ 0.0000, 0.0000,
0.0000

162.6571,

164.0032, 138.7445

200.4215,
202.6630, 174.5435

■ 19.7880, 19.0937,
12.0937

■ 19.7880, 19.0937,
12.0937

■ 18.3681, 17.1396,
8.8898

■ 21.4085, 21.2543,
15.9648

■ 17.1381, 15.3824,
6.3133

■ 23.2367, 23.6250,
20.5376

■ 16.0886, 13.8158,
4.3217

■ 25.2810, 26.2129,
25.8455

■ 15.2083, 12.4319,
2.8670

■ 27.5489, 29.0238,
31.9193

■ 14.4845, 11.2221,
1.8929

■ 30.0476, 32.0633,
38.7881

■ 13.8908, 10.1720,
1.2715

■ 32.7839, 35.3367,
46.4797

■ 13.8378, 10.0784,
1.2160

■ 35.7642, 38.8493,
55.0201

■ 38.9948, 42.6060,
64.4346

■ 42.4817, 46.6117,
74.7471

Harmonies

Analogous

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



21.5158, 19.0937, 14.8290



19.7880, 19.0937, 12.0937



17.7317, 19.0937, 11.4770

Triad

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



19.7880, 19.0937, 12.0937



14.5098, 19.0937, 22.0147



20.5679, 19.0937, 31.2865

Complementary

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



19.7880, 19.0937, 12.0937



16.0245, 17.6316, 29.7529

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.



18.5708, 19.0937, 34.1289



19.7880, 19.0937, 12.0937



15.1513, 19.0937, 28.1658

Square

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



19.7880, 19.0937, 12.0937



14.7824, 19.0937, 16.5533



16.6012, 19.0937, 32.8911



21.9892, 19.0937, 25.6937

Rectangle

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



19.7880, 19.0937, 12.0937



16.4701, 19.0937, 12.2240



16.6012, 19.0937, 32.8911



19.9361, 19.0937, 32.6389

Sweetspot

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



19.7885, 19.0946, 12.0941



43.4011, 44.7380, 42.4511



18.8381, 14.6206, 19.7103



9.5643, 9.8379, 9.2071



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.7885, 19.0946, 12.0941



32.6596, 30.5946, 16.2434



23.5024, 26.5224, 13.3321



6.0057, 6.2252, 6.1255



12.1991, 8.9125, 1.0773



0.1782, 0.1668, 0.0228

Inverse Universe

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



16.0245, 17.6316, 29.7529



25.0372, 27.6265, 51.9864



13.1225, 11.8277, 28.7856



5.7451, 6.1242, 7.3490



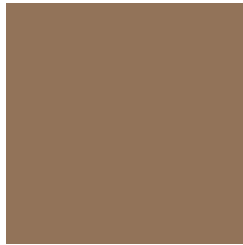
7.0739, 6.8425, 24.8789



0.1161, 0.1428, 0.3143

Previews

White Background



This preview shows how the XYZ color 19.7880, 19.0937, 12.0937 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 19.7880, 19.0937, 12.0937 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 19.7880, 19.0937, 12.0937

Background



This preview shows how black text looks on a background with the XYZ color 19.7880, 19.0937, 12.0937.



This preview shows how white text looks on a background with the XYZ color 19.7880, 19.0937,

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

19.7880, 19.0937, 12.0937

Protanopia

17.9751, 19.1933, 12.8825

Deuteranopia

19.3763, 19.0517, 12.1073



Tritanopia

21.4086, 19.0903, 20.0092

Trichromacy



Original Color

19.7880, 19.0937, 12.0937

Protanomaly

18.6385, 19.1832, 12.6179

Deuteranomaly

19.5502, 19.1413, 12.1154

Tritanomaly

20.7137, 18.9670, 16.7566

Monochromacy



Original Color

19.7880, 19.0937, 12.0937

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.5631, 19.0436, 17.1654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7880, 19.0937, 12.0937 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(146, 115, 89) looks like.

```
.text, #text, p{  
    color:rgb(146, 115, 89)  
}
```

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(146, 115, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 115, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.7880, 19.0937, 12.0937 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(146, 115, 89) }
```


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

```
.border{ border-color:rgb(146, 115, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 115, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 115, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 115, 89);  
box-shadow:4px 4px 4px 4px rgb(146, 115,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7880, 19.0937, 12.0937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 115, 89) }
```

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

```
.background{ background-color: rgb(146,  
115, 89) }
```

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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