

Converting Colors

XYZ(12.9157, 10.1065, 7.6667)

Have a look what the booklet for
XYZ(12.9157, 10.1065, 7.6667)
contains.

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Color

**XYZ(12.8907, 10.1378,
7.7559)**

Conversions

Conversions Part 1

Format	Color
Hex	824A4A
RGB	130, 74, 74
RGB Percent	51%, 29%, 29%
CMY	0.4902, 0.7098, 0.7098
CMYK	0.00, 0.43, 0.43, 0.49
HSL	0°, 27%, 40%
HSV	0°, 43%, 51%
XYZ	12.8907, 10.1378, 7.7559
YIQ	90.7440, 33.3760, 11.8720

Conversions

Conversions Part 2

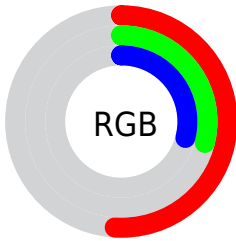
Format	Color
R_{YB}	130, 74, 74
Decimal	8538698
CIE Lab	38.09, 23.75, 10.35
CIE LCh	38, 25.908, 23.546
Yxy	10.1378, 0.4187, 0.3293
Android (android.graphics.Color)	4286728778 (0xFF824A4A)
YUV	90.7440, -8.2548, 34.4275
Hunter-Lab	31.8399, 16.5476, 7.8455

Details

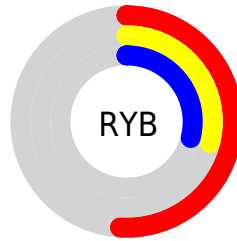
The XYZ color **12.8907, 10.1378, 7.7559** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.8354, 19.0318, 24.0106**, and the grayscale version is **9.8989, 10.4144, 11.3413**.

A 20% lighter version of the original color is **30.7904, 26.1597, 22.1654**, and **3.7915, 2.5439, 1.5195** is the 20% darker color. If you saturate the color by 10%, you get **11.7172, 8.4207, 5.4227**, and if you desaturate by 10%, it is **14.3346, 12.2508, 10.6260**.

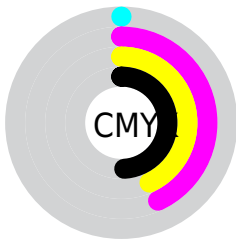
Distribution



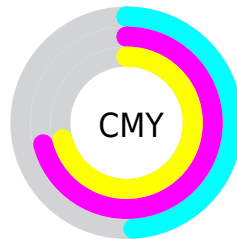
- Red (51%)
- Green (29%)
- Blue (29%)



- Red (51%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (43%)
- Yellow (43%)
- Black (49%)





- Cyan (49%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8907, 10.1378, 7.7559 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 12.8907, 10.1378, 7.7559 by changing the saturation by 10% instead.


 12.8907, 10.1378,
7.7559


 12.8907, 10.1378,
7.7559


203.8678,
191.6528, 183.6672


 7.4298, 5.4904,
3.8536


 30.7103, 26.0544,
22.0167


 3.7810, 2.5378,
1.5454

 43.7997, 38.0923,
33.2123


 1.5790, 0.8955,
0.2514

 60.1626, 53.3626,
47.6762

 0.3787, 0.0000,
0.0000

 80.1644, 72.2497,
65.8267

 0.0000, 0.0000,
0.0000

 104.1705, 95.1378,
88.0826

132.5462,

122.4114, 114.8623

165.6568,
154.4549, 146.5843

■ 12.8907, 10.1378,
7.7559

■ 12.8907, 10.1378,
7.7559

■ 11.7172, 8.4207,
5.4227

■ 14.3346, 12.2508,
10.6260

■ 10.7966, 7.0736,
3.5926

■ 16.0635, 14.7807,
14.0630

■ 10.1105, 6.0696,
2.2288


■ 18.0918, 17.7486,
18.0952


■ 9.6377, 5.3778,
1.2891


■ 20.4327, 21.1740,
22.7488


■ 9.3530, 4.9611,
0.7231


■ 23.0987, 25.0750,
28.0487

 9.2060, 4.7460,
0.4309

 26.1014, 29.4689,
34.0182

 29.4522, 34.3719,
40.6795

 33.1616, 39.7998,
48.0539

 37.2398, 45.7673,
56.1615

Harmonies

Analogous

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



13.1931, 10.1378, 12.1050



12.8907, 10.1378, 7.7559



11.6731, 10.1378, 5.1689

Triad

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



12.8907, 10.1378, 7.7559



7.2760, 10.1378, 6.4247



9.2791, 10.1378, 22.9356

Complementary

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



12.8907, 10.1378, 7.7559



14.8354, 19.0318, 24.0106

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.



7.8503, 10.1378, 20.2148



12.8907, 10.1378, 7.7559



6.7832, 10.1378, 10.0362

Square

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



12.8907, 10.1378, 7.7559



8.4085, 10.1378, 4.5701



6.9806, 10.1378, 15.1366



10.9768, 10.1378, 21.8024

Rectangle

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



12.8907, 10.1378, 7.7559



10.5745, 10.1378, 4.3573



6.9806, 10.1378, 15.1366



8.7542, 10.1378, 22.4210

Sweetspot

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



12.8910, 10.1383, 7.7561



31.7776, 31.1345, 31.7008



15.6839, 11.2551, 22.4648



7.0302, 6.8094, 6.8523



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.8910, 10.1383, 7.7561



20.6163, 14.8023, 9.5127



15.1933, 14.7430, 8.5235



4.3278, 4.3443, 4.5306



8.8271, 4.5507, 0.4131



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8354, 19.0318, 24.0106



24.5278, 32.6922, 42.2100



11.6047, 12.5703, 22.9337



4.4464, 4.8869, 5.5222



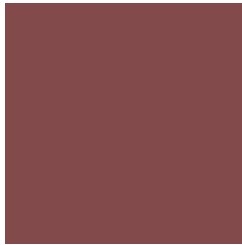
11.5165, 16.8515, 22.8956



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8907, 10.1378, 7.7559 looks on a white 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

Black Background



This preview shows how the XYZ color 12.8907, 10.1378, 7.7559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

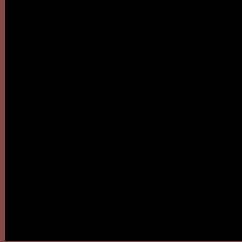
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8907, 10.1378, 7.7559

Background



This preview shows how black text looks on a background with the XYZ color 12.8907, 10.1378, 7.7559.



This preview shows how white text looks on a background with the XYZ color 12.8907, 10.1378,

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

12.8907, 10.1378, 7.7559

Protanopia

9.7952, 10.3012, 9.4547

Deuteranopia

10.4036, 10.2875, 7.5683



Tritanopia

12.9997, 10.0754, 8.6567

Trichromacy



Original Color

12.8907, 10.1378, 7.7559

Protanomaly

10.6450, 10.0310, 8.7723

Deuteranomaly

11.1593, 10.0930, 7.6633

Tritanomaly

12.9280, 10.0467, 8.2790

Monochromacy



Original Color

12.8907, 10.1378, 7.7559

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.7139, 10.1561, 9.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8907, 10.1378, 7.7559 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(130, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(130, 74, 74)  
}
```

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(130, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 74, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.8907, 10.1378, 7.7559 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(130, 74, 74) }
```


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

```
.border{ border-color:rgb(130, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 74, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 74, 74);  
box-shadow:4px 4px 4px 4px rgb(130, 74,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8907, 10.1378, 7.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 74, 74) }
```

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

```
.background{ background-color: rgb(130, 74,  
74) }
```

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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