

Converting Colors

XYZ(13.7329, 10.0897, 7.4459)

Have a look what the booklet for
XYZ(13.7329, 10.0897, 7.4459)
contains.

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Color

**XYZ(13.8120, 10.1406,
7.5327)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4549
RGB	138, 69, 73
RGB Percent	54%, 27%, 29%
CMY	0.4588, 0.7294, 0.7137
CMYK	0.00, 0.50, 0.47, 0.46
HSL	357°, 33%, 41%
HSV	357°, 50%, 54%
XYZ	13.8120, 10.1406, 7.5327
YIQ	90.0870, 39.8400, 15.8720

Conversions

Conversions Part 2

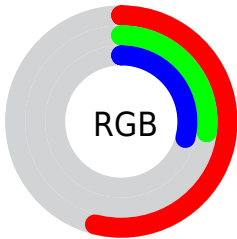
Format	Color
R_{YB}	138, 69, 73
Decimal	9061705
CIE _{Lab}	38.09, 29.71, 11.16
CIE _{LCh}	38, 31.736, 20.591
Yxy	10.1406, 0.4387, 0.3221
Android (android.graphics.Color)	4287251785 (0xFF8A4549)
YUV	90.0870, -8.4239, 42.0197
Hunter-Lab	31.8443, 21.6942, 8.2661

Details

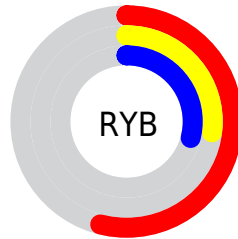
The XYZ color **13.8120, 10.1406, 7.5327** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **15.8464, 21.1637, 25.8055**, and the grayscale version is **9.7501, 10.2579, 11.1708**.

A 20% lighter version of the original color is **32.2962, 26.0435, 21.4139**, and **4.1587, 2.5149, 1.4945** is the 20% darker color. If you saturate the color by 10%, you get **12.6728, 8.4814, 5.2441**, and if you desaturate by 10%, it is **15.2393, 12.2318, 10.3622**.

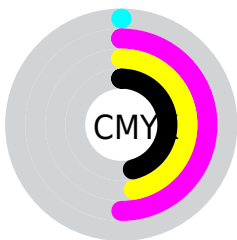
Distribution



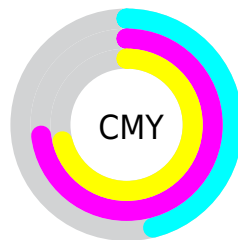
- Red (54%)
- Green (27%)
- Blue (29%)



- Red (54%)
- Yellow (27%)
- Blue (29%)



- Cyan (0%)
- Magenta (50%)
- Yellow (47%)
- Black (46%)





- Cyan (46%)
- Magenta (73%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8120, 10.1406, 7.5327 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 13.8120, 10.1406, 7.5327 by changing the saturation by 10% instead.


 13.8120, 10.1406,
7.5327


 13.8120, 10.1406,
7.5327


209.5922,
191.6726, 181.8149


 8.0708, 5.4923,
3.7140


 32.3441, 26.0596,
21.5680


 4.1925, 2.5389,
1.4698

 45.8658, 38.0991,
32.6216

 1.8116, 0.8960,
0.1953

 62.7118, 53.3711,
46.9239

 0.5246, 0.0000,
0.0000

 83.2473, 72.2600,
64.8934

 0.0000, 0.0000,
0.0000

 107.8377, 95.1502,
86.9488

136.8484,

122.4261, 113.5084

170.6448,
154.4721, 144.9910

■ 13.8120, 10.1406,
7.5327

■ 13.8120, 10.1406,
7.5327

■ 12.6728, 8.4814,
5.2441

■ 15.2393, 12.2318,
10.3622

■ 11.8013, 7.2225,
3.4613

■ 16.9717, 14.7807,
13.7633

■ 11.1759, 6.3306,
2.1462


■ 19.0257, 17.8125,
17.7655


■ 10.7710, 5.7663,
1.2547


■ 21.4164, 21.3507,
22.3955


■ 10.5251, 5.4209,
0.7212


■ 24.1581, 25.4166,
27.6790

 10.5250, 5.4208,
0.7211

 27.2641, 30.0309,
33.6399

 30.7470, 35.2127,
40.3009

 34.6190, 40.9805,
47.6837

 38.8915, 47.3517,
55.8093

Harmonies

Analogous

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



14.0658, 10.1406, 12.9885



13.8120, 10.1406, 7.5327



12.3591, 10.1406, 4.4216

Triad

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



13.8120, 10.1406, 7.5327



6.9060, 10.1406, 5.3201



9.0091, 10.1406, 26.3121

Complementary

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



13.8120, 10.1406, 7.5327



15.8464, 21.1637, 25.8055

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.



7.3494, 10.1406, 22.2406



13.8120, 10.1406, 7.5327



6.2536, 10.1406, 9.2993

Square

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



13.8120, 10.1406, 7.5327



8.3194, 10.1406, 3.4941



6.4036, 10.1406, 15.4989



11.0898, 10.1406, 25.3109

Rectangle

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



13.8120, 10.1406, 7.5327



11.0063, 10.1406, 3.4573



6.4036, 10.1406, 15.4989



8.3887, 10.1406, 25.4495

Sweetspot

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



13.8123, 10.1411, 7.5329



35.4313, 34.2006, 34.9905



16.4520, 11.1110, 25.3223



7.7785, 7.4216, 7.5215



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.8123, 10.1411, 7.5329



22.1148, 14.6261, 8.7909



16.0082, 14.7382, 7.6320



5.0439, 5.0530, 5.3194



9.6519, 4.9709, 0.6713



0.0655, 0.0336, 0.0115

Inverse Universe

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



13.8123, 10.1411, 7.5329



22.1148, 14.6261, 8.7909



12.4153, 13.8470, 26.0632



5.0439, 5.0530, 5.3194



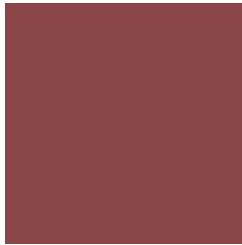
9.6519, 4.9709, 0.6713



0.0655, 0.0336, 0.0115

Previews

White Background



This preview shows how the XYZ color 13.8120, 10.1406, 7.5327 looks on a white background.

Color Contrast Check

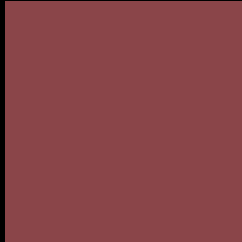
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8120, 10.1406, 7.5327 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 13.8120, 10.1406, 7.5327

Background



This preview shows how black text looks on a background with the XYZ color 13.8120, 10.1406, 7.5327.



This preview shows how white text looks on a background with the XYZ color 13.8120, 10.1406,

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

13.8120, 10.1406, 7.5327

Protanopia

9.7317, 10.2640, 9.6519

Deuteranopia

10.4575, 10.3228, 7.2357



Tritanopia

13.8454, 10.1539, 7.7087

Trichromacy



Original Color

13.8120, 10.1406, 7.5327

Protanomaly

10.7353, 9.8503, 8.7326

Deuteranomaly

11.4772, 10.0438, 7.2950

Tritanomaly

13.8454, 10.1539, 7.7087

Monochromacy



Original Color

13.8120, 10.1406, 7.5327

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.6809, 9.8005, 9.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8120, 10.1406, 7.5327 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(138, 69, 73)` looks like.

```
.text, #text, p{  
    color:rgb(138, 69, 73)  
}
```

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(138, 69, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 69, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.8120, 10.1406, 7.5327 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(138, 69, 73) }
```


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

```
.border{ border-color:rgb(138, 69, 73) }
```

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

Here you see how a box with a 4 pixel rgb(138, 69, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 69, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 69, 73);  
box-shadow:4px 4px 4px 4px rgb(138, 69,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8120, 10.1406, 7.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 69, 73) }
```

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

```
.background{ background-color: rgb(138, 69,  
73) }
```

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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