

Converting Colors

XYZ(13.8127, 12.2356, 8.6363)

Have a look what the booklet for
XYZ(13.8127, 12.2356, 8.6363)
contains.

XYZ(13.8140, 12.2698, 8.6614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8140, 12.2698,
8.6614)**

Conversions

Conversions Part 1

Format	Color
Hex	80594D
RGB	128, 89, 77
RGB Percent	50%, 35%, 30%
CMY	0.4980, 0.6510, 0.6980
CMYK	0.00, 0.30, 0.40, 0.50
HSL	14°, 25%, 40%
HSV	14°, 40%, 50%
XYZ	13.8140, 12.2698, 8.6614
YIQ	99.2930, 27.0960, 4.5360

Conversions

Conversions Part 2

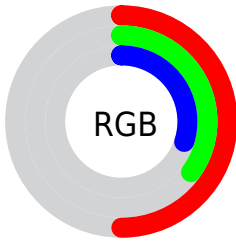
Format	Color
R_{YB}	128, 93, 77
Decimal	8411469
CIE _{Lab}	41.64, 14.43, 13.37
CIE _{LCh}	42, 19.669, 42.815
Yxy	12.2698, 0.3976, 0.3531
Android (android.graphics.Color)	4286601549 (0xFF80594D)
YUV	99.2930, -10.9904, 25.1760
Hunter-Lab	35.0283, 9.0951, 9.8592

Details

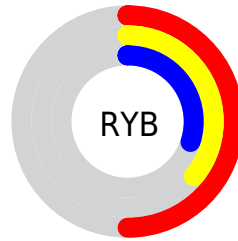
The XYZ color **13.8140, 12.2698, 8.6614** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.2019, 15.6263, 22.7423**, and the grayscale version is **11.9560, 12.5787, 13.6982**.

A 20% lighter version of the original color is **32.2899, 29.9167, 23.8113**, and **4.1990, 3.4153, 1.8768** is the 20% darker color. If you saturate the color by 10%, you get **12.6448, 10.5849, 6.2571**, and if you desaturate by 10%, it is **15.1811, 14.2081, 11.5708**.

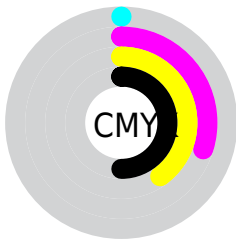
Distribution



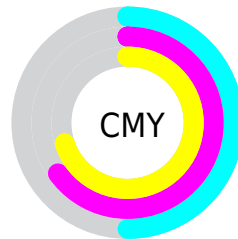
- Red (50%)
- Green (35%)
- Blue (30%)



- Red (50%)
- Yellow (36%)
- Blue (30%)



- Cyan (0%)
- Magenta (30%)
- Yellow (40%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8140, 12.2698, 8.6614 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 13.8140, 12.2698, 8.6614 by changing the saturation by 10% instead.


 13.8140, 12.2698,
8.6614


 13.8140, 12.2698,
8.6614


209.6045,
206.1833, 190.9556


 8.0722, 6.9277,
4.4272


 32.3477, 29.9855,
23.8124


 4.1934, 3.4169,
1.8625

 45.8703, 43.1280,
35.5664

 1.8121, 1.3531,
0.4687

 62.7172, 59.6393,
50.6639

 0.5250, 0.1818,
0.0000

 83.2539, 79.9040,
69.5237

 0.0000, 0.0000,
0.0000

 107.8456,
104.3063, 92.5642

136.8577,

133.2307, 120.2040

170.6555,
167.0616, 152.8616

■ 13.8140, 12.2698,
8.6614

■ 13.8140, 12.2698,
8.6614

■ 12.6448, 10.5849,
6.2571

■ 15.1811, 14.2081,
11.5708

■ 11.6631, 9.1410,
4.3282

■ 16.7540, 16.4080,
15.0112

■ 10.8588, 7.9273,
2.8428

■ 18.5413, 18.8794,
19.0077

■ 10.2207, 6.9316,
1.7649

■ 20.5507, 21.6313,
23.5835

■ 9.7357, 6.1403,
1.0529

■ 22.7898, 24.6722,
28.7606

■ 9.3745, 5.5324,
0.5795

■ 25.2655, 28.0102,
34.5597

■ 9.3695, 5.5241,
0.5724

■ 27.9846, 31.6532,
41.0006

■ 30.9536, 35.6086,
48.1022

■ 34.1787, 39.8838,
55.8826

Harmonies

Analogous

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



14.5766, 12.2698, 11.6764



13.8140, 12.2698, 8.6614



12.4997, 12.2698, 7.1243

Triad

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



13.8140, 12.2698, 8.6614



9.2111, 12.2698, 11.1506



12.2873, 12.2698, 22.6828

Complementary

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



13.8140, 12.2698, 8.6614



13.2019, 15.6263, 22.7423

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.



10.8628, 12.2698, 22.4608



13.8140, 12.2698, 8.6614



9.1645, 12.2698, 15.1975

Square

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



13.8140, 12.2698, 8.6614



9.8792, 12.2698, 8.3450



9.7461, 12.2698, 19.5083



13.6475, 12.2698, 20.0638

Rectangle

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



13.8140, 12.2698, 8.6614



11.5266, 12.2698, 6.9001



9.7461, 12.2698, 19.5083



11.7987, 12.2698, 22.9514

Sweetspot

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



13.8143, 12.2704, 8.6616



31.8439, 32.1368, 31.6617



14.7142, 11.1603, 17.9321



7.3771, 7.4159, 7.2368



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.



13.8143, 12.2704, 8.6616



22.4038, 18.8408, 11.3001



16.3042, 17.2501, 9.4916



4.4036, 4.4959, 4.5558



9.2915, 5.4795, 0.5679



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2019, 15.6263, 22.7423



21.1529, 25.6066, 39.7840



10.6639, 10.5504, 21.8963



4.3633, 4.7207, 5.4945



8.1837, 10.1859, 21.7847



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8140, 12.2698, 8.6614 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 13.8140, 12.2698, 8.6614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

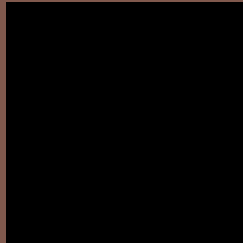
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8140, 12.2698, 8.6614

Background



This preview shows how black text looks on a background with the XYZ color 13.8140, 12.2698, 8.6614.

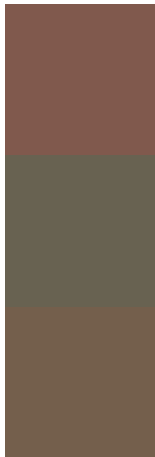


This preview shows how white text looks on a background with the XYZ color 13.8140, 12.2698,

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

13.8140, 12.2698, 8.6614

Protanopia

11.5618, 12.2725, 9.5440

Deuteranopia

12.5992, 12.4192, 8.5706



Tritanopia

14.5899, 12.3525, 11.9712

Trichromacy



Original Color

13.8140, 12.2698, 8.6614

Protanomaly

12.3502, 12.2743, 9.3077

Deuteranomaly

12.9646, 12.3436, 8.5367

Tritanomaly

14.2633, 12.3347, 10.6459

Monochromacy



Original Color

13.8140, 12.2698, 8.6614

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.4109, 12.2547, 11.6088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8140, 12.2698, 8.6614 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(128, 89, 77)` looks like.

```
.text, #text, p{  
    color:rgb(128, 89, 77)  
}
```

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(128, 89, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 89, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.8140, 12.2698, 8.6614 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(128, 89, 77) }
```


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

```
.border{ border-color:rgb(128, 89, 77) }
```

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

Here you see how a box with a 4 pixel rgb(128, 89, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 89, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 89, 77);  
box-shadow:4px 4px 4px 4px rgb(128, 89,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8140, 12.2698, 8.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 89, 77) }
```

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

```
.background{ background-color: rgb(128, 89,  
77) }
```

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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