

Converting Colors

XYZ(13.6778, 13.3663, 8.7080)

Have a look what the booklet for
XYZ(13.6778, 13.3663, 8.7080)
contains.

XYZ(13.6982, 13.3947, 8.7009)	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(13.6982, 13.3947,
8.7009)**

Conversions

Conversions Part 1

Format	Color
Hex	7A624C
RGB	122, 98, 76
RGB Percent	48%, 38%, 30%
CMY	0.5216, 0.6157, 0.7020
CMYK	0.00, 0.20, 0.38, 0.52
HSL	29°, 23%, 39%
HSV	29°, 38%, 48%
XYZ	13.6982, 13.3947, 8.7009
YIQ	102.6680, 21.3660, -1.7540

Conversions

Conversions Part 2

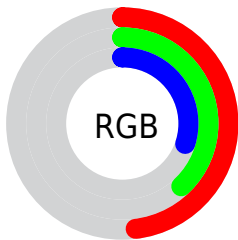
Format	Color
R_{YB}	122, 118, 76
Decimal	8020556
CIE Lab	43.35, 6.32, 16.19
CIE LCh	43, 17.376, 68.673
Yxy	13.3947, 0.3827, 0.3742
Android (android.graphics.Color)	4286210636 (0xFF7A624C)
YUV	102.6680, -13.1473, 16.9542
Hunter-Lab	36.5988, 2.7612, 11.5237

Details

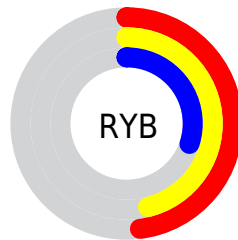
The XYZ color **13.6982, 13.3947, 8.7009** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.0503, 12.0556, 20.1569**, and the grayscale version is **12.8344, 13.5027, 14.7045**.

A 20% lighter version of the original color is **32.1283, 32.0895, 23.9026**, and **4.1612, 3.9380, 1.9073** is the 20% darker color. If you saturate the color by 10%, you get **12.7417, 12.0973, 6.4843**, and if you desaturate by 10%, it is **14.7832, 14.8203, 11.3576**.

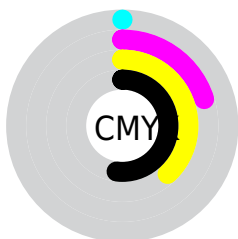
Distribution



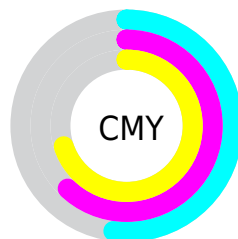
- Red (48%)
- Green (38%)
- Blue (30%)



- Red (48%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (20%)
- Yellow (38%)
- Black (52%)



- Cyan (52%)
- Magenta (62%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6982, 13.3947, 8.7009 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 13.6982, 13.3947, 8.7009 by changing the saturation by 10% instead.

■ 13.6982, 13.3947,
8.7009

■ 13.6982, 13.3947,
8.7009

208.8936,
213.4320, 191.2659

■ 7.9914, 7.7009,
4.4525

■ 32.1433, 32.0111,
23.8899

■ 4.1412, 3.9042,
1.8767

■ 45.6123, 45.7024,
35.6676

■ 1.7823, 1.6201,
0.4779

■ 62.3994, 62.8285,
50.7921

■ 0.5070, 0.3711,
0.0000

■ 82.8699, 83.7735,
69.6819

■ 0.0000, 0.0000,
0.0000

■ 107.3892,
108.9220, 92.7557

136.3227,

138.6583, 120.4319

170.0357,
173.3668, 153.1291

■ 13.6982, 13.3947,
8.7009

■ 13.6982, 13.3947,
8.7009

■ 12.7417, 12.0973,
6.4843

■ 14.7832, 14.8203,
11.3576

■ 11.9070, 10.9222,
4.6825

■ 16.0010, 16.3759,
14.4761

■ 11.1884, 9.8657,
3.2690

■ 17.3568, 18.0660,
18.0775

■ 10.5790, 8.9232,
2.2139

■ 18.8553, 19.8937,
22.1815

■ 10.0710, 8.0896,
1.4826

■ 20.5009, 21.8626,
26.8066

■ 9.6476, 7.3562,
0.9918

■ 22.2979, 23.9758,
31.9704

■ 9.5571, 7.1996,
0.8860

■ 24.2502, 26.2364,
37.6898

■ 26.3618, 28.6473,
43.9807

■ 28.6364, 31.2115,
50.8585

Harmonies

Analogous

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



14.8658, 13.3947, 10.4173



13.6982, 13.3947, 8.7009



12.3441, 13.3947, 8.4040

Triad

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



13.6982, 13.3947, 8.7009



10.3351, 13.3947, 15.7338



14.4220, 13.3947, 21.1877

Complementary

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



13.6982, 13.3947, 8.7009



11.0503, 12.0556, 20.1569

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.



13.1265, 13.3947, 23.2307



13.6982, 13.3947, 8.7009



10.8115, 13.3947, 19.7370

Square

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



13.6982, 13.3947, 8.7009



10.4645, 13.3947, 12.0460



11.8109, 13.3947, 22.6575



15.3038, 13.3947, 17.4568

Rectangle

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



13.6982, 13.3947, 8.7009



11.5267, 13.3947, 8.9891



11.8109, 13.3947, 22.6575



14.0169, 13.3947, 22.1221

Sweetspot

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



13.6985, 13.3953, 8.7012



29.6581, 30.6973, 29.4479



12.9367, 10.2370, 13.4866



6.7238, 6.9474, 6.5800



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.6985, 13.3953, 8.7012



22.6742, 21.6377, 11.9886



16.1033, 18.2049, 9.5028



4.1417, 4.3019, 4.2366



10.0538, 7.5635, 0.9300



47.1153, 34.3940, 4.1555

Inverse Universe

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



11.0503, 12.0556, 20.1569



17.3229, 18.9290, 35.1335



9.1848, 8.3245, 19.5350



3.9545, 4.2072, 5.0468



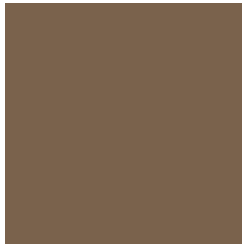
5.5994, 5.2811, 20.1095



25.8525, 23.4777, 95.6389

Previews

White Background



This preview shows how the XYZ color 13.6982, 13.3947, 8.7009 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 13.6982, 13.3947, 8.7009 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 13.6982, 13.3947, 8.7009

Background



This preview shows how black text looks on a background with the XYZ color 13.6982, 13.3947, 8.7009.



This preview shows how white text looks on a background with the XYZ color 13.6982, 13.3947,

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

13.6982, 13.3947, 8.7009

Protanopia

12.5569, 13.3678, 9.1261

Deuteranopia

13.5573, 13.3221, 8.6944



Tritanopia

14.9479, 13.5037, 14.3890

Trichromacy



Original Color

13.6982, 13.3947, 8.7009

Protanomaly

12.9327, 13.4206, 8.9300

Deuteranomaly

13.5573, 13.3221, 8.6944

Tritanomaly

14.4708, 13.4411, 12.1876

Monochromacy



Original Color

13.6982, 13.3947, 8.7009

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0599, 13.4127, 12.2565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6982, 13.3947, 8.7009 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(122, 98, 76) looks like.

```
.text, #text, p{  
    color:rgb(122, 98, 76)  
}
```

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(122, 98, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 98, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.6982, 13.3947, 8.7009 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(122, 98, 76) }
```


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

```
.border{ border-color:rgb(122, 98, 76) }
```

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

Here you see how a box with a 4 pixel rgb(122, 98, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 98, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 98, 76);  
box-shadow:4px 4px 4px 4px rgb(122, 98,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6982, 13.3947, 8.7009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 98, 76) }
```

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

```
.background{ background-color: rgb(122, 98,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor