

Converting Colors

XYZ(13.2838, 12.6627, 13.5484)

Have a look what the booklet for
XYZ(13.2838, 12.6627, 13.5484)
contains.

XYZ(13.2838, 12.6627, 13.5484)	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(13.2838, 12.6627,
13.5484)**

Conversions

Conversions Part 1

Format	Color
Hex	725F63
RGB	114, 95, 99
RGB Percent	45%, 37%, 39%
CMY	0.5529, 0.6274, 0.6118
CMYK	0.00, 0.17, 0.13, 0.55
HSL	347°, 9%, 41%
HSV	347°, 17%, 45%
XYZ	13.2838, 12.6627, 13.5484
YIQ	101.1370, 10.0400, 5.2720

Conversions

Conversions Part 2

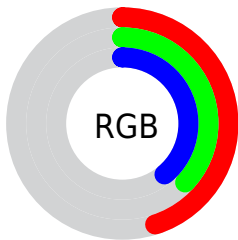
Format	Color
RYB	114, 95, 99
Decimal	7495523
CIELab	42.25, 8.40, 0.58
CIELCh	42, 8.417, 3.979
Yxy	12.6627, 0.3363, 0.3206
Android (android.graphics.Color)	4285685603 (0xFF725F63)
YUV	101.1370, -1.0535, 11.2809
Hunter-Lab	35.5847, 4.3610, 2.3354

Details

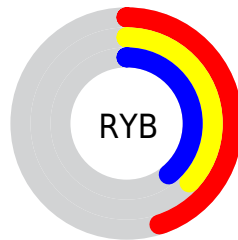
The XYZ color **13.2838, 12.6627, 13.5484** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5516, 15.5937, 17.0483**, and the grayscale version is **12.4062, 13.0522, 14.2139**.

A 20% lighter version of the original color is **31.3563, 30.5598, 33.1001**, and **3.9877, 3.6119, 3.8552** is the 20% darker color. If you saturate the color by 10%, you get **11.9245, 10.5948, 11.0893**, and if you desaturate by 10%, it is **14.8421, 15.0515, 16.3108**.

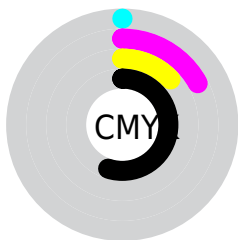
Distribution



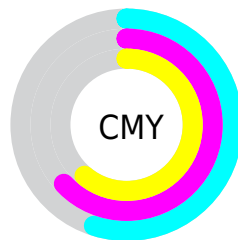
- Red (45%)
- Green (37%)
- Blue (39%)



- Red (45%)
- Yellow (37%)
- Blue (39%)



- Cyan (0%)
- Magenta (17%)
- Yellow (13%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2838, 12.6627, 13.5484 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 13.2838, 12.6627, 13.5484 by changing the saturation by 10% instead.

■ 13.2838, 12.6627,
13.5484

■ 13.2838, 12.6627,
13.5484

206.3296,
208.7445, 225.7329

■ 7.7026, 7.1967,
7.6721

■ 31.4097, 30.6965,
32.9911

■ 3.9554, 3.5854,
3.8011

■ 44.6851, 44.0330,
47.3945

■ 1.6770, 1.4445,
1.5169

■ 61.2560, 60.7619,
65.4774

■ 0.4418, 0.2492,
0.2305

■ 81.4877, 81.2674,
87.6584

■ 0.0000, 0.0000,
0.0000

105.7455,
105.9341, 114.3558

134.3949,

135.1462, 145.9884

167.8011,
169.2882, 182.9746

■ 13.2838, 12.6627,
13.5484

■ 13.2838, 12.6627,
13.5484

■ 11.9245, 10.5948,
11.0893

■ 14.8421, 15.0515,
16.3108

■ 10.7552, 8.8325,
8.9223

■ 16.6058, 17.7724,
19.3857

■ 9.7674, 7.3618,
7.0366

■ 18.5827, 20.8380,
22.7827

■ 8.9518, 6.1668,
5.4206

■ 20.7795, 24.2598,
26.5110

■ 8.2985, 5.2301,
4.0616

■ 23.2028, 28.0488,
30.5791

■ 7.7959, 4.5326,
2.9460

■ 25.8588, 32.2154,
34.9954

■ 7.4315, 4.0522,
2.0590

■ 28.7536, 36.7699,
39.7681

■ 7.1785, 3.7391,
1.3798

■ 31.8929, 41.7217,
44.9049

■ 7.1043, 3.6434,
1.1924

■ 35.2824, 47.0803,
50.4135

Harmonies

Analogous

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



13.1563, 12.6627, 15.3649



13.2838, 12.6627, 13.5484



13.0674, 12.6627, 11.9395

Triad

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



13.2838, 12.6627, 13.5484



11.3717, 12.6627, 11.1082



11.5123, 12.6627, 17.1430

Complementary

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



13.2838, 12.6627, 13.5484



13.5516, 15.5937, 17.0483

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.



11.0595, 12.6627, 15.8170



13.2838, 12.6627, 13.5484



10.9803, 12.6627, 12.3220

Square

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



13.2838, 12.6627, 13.5484



11.9517, 12.6627, 10.6105



10.8680, 12.6627, 14.0295



12.1197, 12.6627, 17.5427

Rectangle

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



13.2838, 12.6627, 13.5484



12.7614, 12.6627, 11.1696



10.8680, 12.6627, 14.0295



11.3377, 12.6627, 16.7855

Sweetspot

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



13.2842, 12.6633, 13.5487



26.5338, 27.1455, 29.4564



13.5458, 12.7075, 17.6586



6.0997, 6.2214, 6.7479



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.2842, 12.6633, 13.5487



22.3835, 20.7880, 22.0826



13.5995, 13.5922, 12.7340



3.4106, 3.4119, 3.6889



7.9028, 4.0535, 1.2981



39.1023, 20.0862, 5.0710

Inverse Universe

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



13.2842, 12.6633, 13.5487



22.3835, 20.7880, 22.0826



13.1849, 14.5039, 18.0244



3.4106, 3.4119, 3.6889



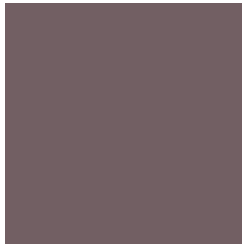
7.9028, 4.0535, 1.2981



39.1023, 20.0862, 5.0710

Previews

White Background



This preview shows how the XYZ color 13.2838, 12.6627, 13.5484 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 13.2838, 12.6627, 13.5484 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 13.2838, 12.6627, 13.5484

Background



This preview shows how black text looks on a background with the XYZ color 13.2838, 12.6627, 13.5484.



This preview shows how white text looks on a background with the XYZ color 13.2838, 12.6627,

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

13.2838, 12.6627, 13.5484

Protanopia

12.1776, 12.6300, 14.1079

Deuteranopia

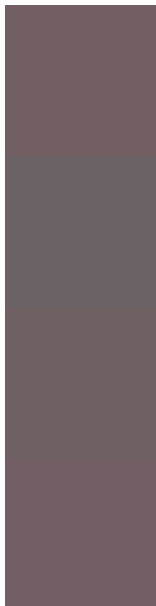
12.9572, 12.7652, 13.5854



Tritanopia

13.4299, 12.7211, 14.3180

Trichromacy



Original Color

13.2838, 12.6627, 13.5484

Protanomaly

12.6118, 12.7196, 13.8470

Deuteranomaly

12.9905, 12.6461, 13.5606

Tritanomaly

13.3806, 12.7014, 14.0583

Monochromacy



Original Color

13.2838, 12.6627, 13.5484

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7059, 12.9080, 13.8784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2838, 12.6627, 13.5484 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(114, 95, 99) looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 99)  
}
```

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(114, 95, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.2838, 12.6627, 13.5484 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(114, 95, 99) }
```


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

```
.border{ border-color:rgb(114, 95, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 99);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2838, 12.6627, 13.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 99) }
```

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

```
.background{ background-color: rgb(114, 95,  
99) }
```

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