

Converting Colors

XYZ(13.4151, 12.9963, 13.2197)

Have a look what the booklet for
XYZ(13.4151, 12.9963, 13.2197)
contains.

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Color

**XYZ(13.3718, 12.9899,
13.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	726161
RGB	114, 97, 97
RGB Percent	45%, 38%, 38%
CMY	0.5529, 0.6196, 0.6196
CMYK	0.00, 0.15, 0.15, 0.55
HSL	0°, 8%, 41%
HSV	0°, 15%, 45%
XYZ	13.3718, 12.9899, 13.1118
YIQ	102.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

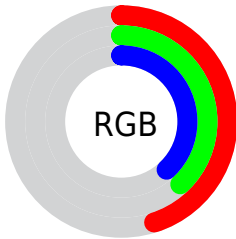
Format	Color
R_{YB}	114, 97, 97
Decimal	7496033
CIE _{Lab}	42.75, 6.82, 2.53
CIE _{LCh}	43, 7.276, 20.313
Yxy	12.9899, 0.3388, 0.3291
Android (android.graphics.Color)	4285686113 (0xFF726161)
YUV	102.0830, -2.5059, 10.4512
Hunter-Lab	36.0415, 3.1529, 3.6595

Details

The XYZ color **13.3718, 12.9899, 13.1118** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9842, 15.7905, 18.2305**, and the grayscale version is **12.6558, 13.3149, 14.4999**.

A 20% lighter version of the original color is **31.6611, 31.4249, 32.4139**, and **4.0281, 3.7649, 3.6464** is the 20% darker color. If you saturate the color by 10%, you get **11.8995, 10.8355, 10.1843**, and if you desaturate by 10%, it is **15.0726, 15.4787, 16.4927**.

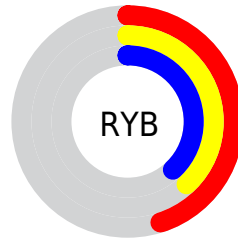
Distribution



Red (45%)

Green (38%)

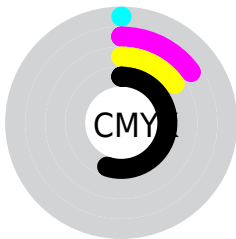
Blue (38%)



Red (45%)

Yellow (38%)

Blue (38%)

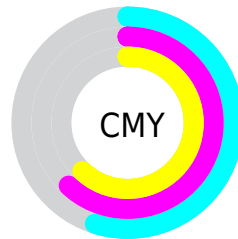


Cyan (0%)

Magenta (15%)

Yellow (15%)

Black (55%)



Cyan (55%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3718, 12.9899, 13.1118 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 13.3718, 12.9899, 13.1118 by changing the saturation by 10% instead.

■ 13.3718, 12.9899,
13.1118

■ 13.3718, 12.9899,
13.1118

206.8767,
210.8529, 222.8659

■ 7.7638, 7.4216,
7.3739

■ 31.5658, 31.2856,
32.1986

■ 3.9947, 3.7271,
3.6151

■ 44.8825, 44.7819,
46.3847

■ 1.6992, 1.5221,
1.4166

■ 61.4996, 61.6895,
64.2239

■ 0.4557, 0.3042,
0.1546

■ 81.7823, 82.3930,
86.1347

■ 0.0000, 0.0000,
0.0000

106.0960,
107.2766, 112.5358

134.8061,

136.7249, 143.8457

168.2779,
171.1222, 180.4829

■ 13.3718, 12.9899,
13.1118

■ 13.3718, 12.9899,
13.1118

■ 11.8995, 10.8355,
10.1843

■ 15.0726, 15.4787,
16.4927

■ 10.6449, 8.9997,
7.6901

■ 17.0100, 18.3136,
20.3443

■ 9.5980, 7.4679,
5.6090

■ 19.1928, 21.5075,
24.6840

■ 8.7477, 6.2236,
3.9187

■ 21.6293, 25.0726,
29.5279

■ 8.0816, 5.2490,
2.5947

■ 24.3271, 29.0202,
34.8915

■ 7.5863, 4.5240,
1.6101

■ 27.2938, 33.3612,
40.7898

■ 7.2460, 4.0261,
0.9338

■ 30.5366, 38.1061,
47.2368

■ 7.0344, 3.7164,
0.5131

■ 34.0622, 43.2649,
54.2463

■ 6.9396, 3.5778,
0.3248

■ 37.8774, 48.8474,
61.8316

Harmonies

Analogous

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



13.4257, 12.9899, 14.6629



13.3718, 12.9899, 13.1118



13.0387, 12.9899, 11.9254

Triad

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



13.3718, 12.9899, 13.1118



11.5454, 12.9899, 12.2852



12.1683, 12.9899, 17.3663

Complementary

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



13.3718, 12.9899, 13.1118



13.9842, 15.7905, 18.2305

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.



11.6792, 12.9899, 16.6216



13.3718, 12.9899, 13.1118



11.3268, 12.9899, 13.6371

Square

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



13.3718, 12.9899, 13.1118



11.9807, 12.9899, 11.4734



11.3750, 12.9899, 15.2286



12.7197, 12.9899, 17.1993

Rectangle

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



13.3718, 12.9899, 13.1118



12.7086, 12.9899, 11.4635



11.3750, 12.9899, 15.2286



11.9914, 12.9899, 17.2123

Sweetspot

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



13.3722, 12.9905, 13.1121



26.7467, 27.5806, 29.4988



14.2515, 13.3419, 17.7438



6.1397, 6.3113, 6.7308



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.



13.3722, 12.9905, 13.1121



22.5346, 21.4172, 21.1249



14.1999, 14.6459, 13.3880



3.3845, 3.4016, 3.5515



7.7251, 3.9827, 0.3616



38.4817, 19.8386, 1.8010

Inverse Universe

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



13.9842, 15.7905, 18.2305



23.8352, 27.3673, 32.0017



13.0698, 13.9618, 17.9257



3.4749, 3.8151, 4.3075



10.0775, 14.7453, 20.0366



50.1999, 73.4516, 99.8109

Previews

White Background



This preview shows how the XYZ color 13.3718, 12.9899, 13.1118 looks on a white background.

Color Contrast Check

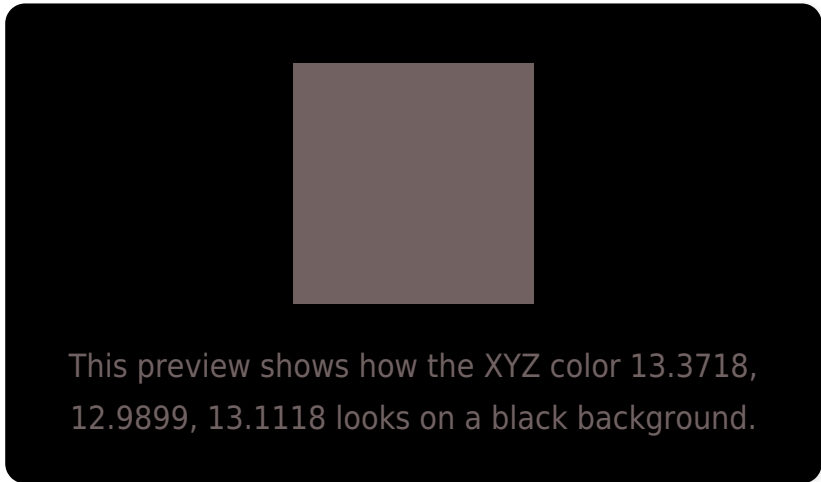
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

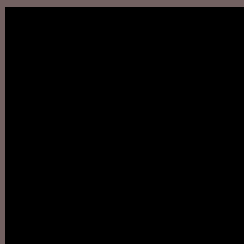
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3718, 12.9899, 13.1118

Background



This preview shows how black text looks on a background with the XYZ color 13.3718, 12.9899, 13.1118.



This preview shows how white text looks on a background with the XYZ color 13.3718, 12.9899,

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

13.3718, 12.9899, 13.1118

Protanopia

12.4993, 13.0918, 13.6726

Deuteranopia

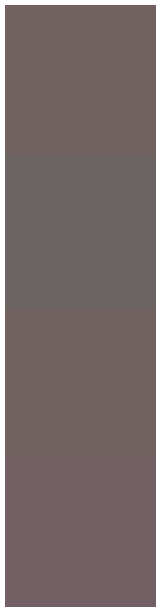
13.2074, 13.0432, 13.1307



Tritanopia

13.7013, 12.9899, 14.6171

Trichromacy



Original Color

13.3718, 12.9899, 13.1118

Protanomaly

12.8252, 13.1220, 13.4121

Deuteranomaly

13.3354, 13.1091, 13.1367

Tritanomaly

13.6021, 12.9502, 14.0946

Monochromacy



Original Color

13.3718, 12.9899, 13.1118

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8013, 13.0986, 13.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3718, 12.9899, 13.1118 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, 97, 97) looks like.

```
.text, #text, p{  
    color:rgb(114, 97, 97)  
}
```

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, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 97, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.3718, 12.9899, 13.1118 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, 97, 97) }
```


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

```
.border{ border-color:rgb(114, 97, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 97, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 97, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 97, 97);  
box-shadow:4px 4px 4px 4px rgb(114, 97,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3718, 12.9899, 13.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 97, 97) }
```

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

```
.background{ background-color: rgb(114, 97,  
97) }
```

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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