

Converting Colors

XYZ(13.7328, 13.0665, 14.7284)

Have a look what the booklet for
XYZ(13.7328, 13.0665, 14.7284)
contains.

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Color

**XYZ(13.7013, 12.9899,
14.6171)**

Conversions

Conversions Part 1

Format	Color
Hex	736067
RGB	115, 96, 103
RGB Percent	45%, 38%, 40%
CMY	0.5490, 0.6235, 0.5961
CMYK	0.00, 0.17, 0.10, 0.55
HSL	338°, 9%, 41%
HSV	338°, 17%, 45%
XYZ	13.7013, 12.9899, 14.6171
YIQ	102.4790, 9.0770, 6.2050

Conversions

Conversions Part 2

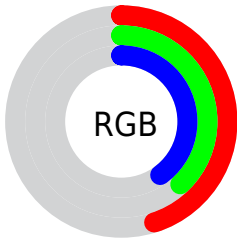
Format	Color
R_{YB}	115, 96, 103
Decimal	7561319
CIE Lab	42.75, 8.94, -1.12
CIE LCh	43, 9.012, 352.877
Yxy	12.9899, 0.3317, 0.3145
Android (android.graphics.Color)	4285751399 (0xFF736067)
YUV	102.4790, 0.2569, 10.9809
Hunter-Lab	36.0415, 4.7847, 1.1832

Details

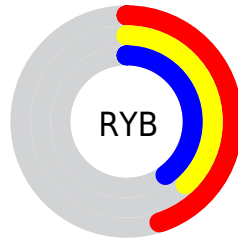
The XYZ color **13.7013, 12.9899, 14.6171** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6619, 15.8313, 16.5239**, and the grayscale version is **12.7528, 13.4170, 14.6111**.

A 20% lighter version of the original color is **32.2028, 31.4160, 34.9385**, and **4.1692, 3.7600, 4.2474** is the 20% darker color. If you saturate the color by 10%, you get **12.3790, 10.9036, 12.4550**, and if you desaturate by 10%, it is **15.2095, 15.3971, 16.9978**.

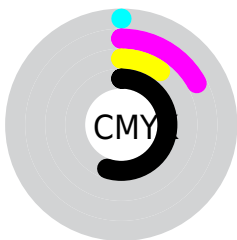
Distribution



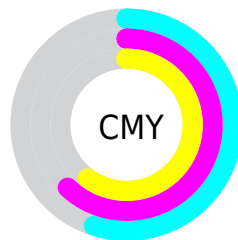
- Red (45%)
- Green (38%)
- Blue (40%)



- Red (45%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (10%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7013, 12.9899, 14.6171 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 13.7013, 12.9899, 14.6171 by changing the saturation by 10% instead.

■ 13.7013, 12.9899,
14.6171

■ 13.7013, 12.9899,
14.6171

208.9126,
210.8529, 232.5972

■ 7.9935, 7.4216,
8.4075

■ 32.1488, 31.2856,
34.9128

■ 4.1426, 3.7271,
4.2653

■ 45.6192, 44.7819,
49.8359

■ 1.7831, 1.5221,
1.7720

■ 62.4079, 61.6895,
68.5007

■ 0.5075, 0.3042,
0.4094

■ 82.8802, 82.3930,
91.3256

■ 0.0000, 0.0000,
0.0000

107.4015,
107.2766, 118.7291

136.3370,

136.7249, 151.1299

170.0523,
171.1222, 188.9464

■ 13.7013, 12.9899,
14.6171

■ 13.7013, 12.9899,
14.6171

■ 12.3790, 10.9036,
12.4550

■ 15.2095, 15.3971,
16.9978

■ 11.2341, 9.1228,
10.5042

■ 16.9096, 18.1361,
19.6025

■ 10.2590, 7.6335,
8.7583

■ 18.8085, 21.2198,
22.4373

■ 9.4452, 6.4200,
7.2100

■ 20.9126, 24.6594,
25.5079

■ 8.7831, 5.4649,
5.8519

■ 23.2278, 28.4660,
28.8196

■ 8.2625, 4.7490,
4.6756

■ 25.7600, 32.6500,
32.3779

■ 7.8716, 4.2502,
3.6722

■ 28.5148, 37.2215,
36.1878

■ 7.5852, 3.9204,
2.8282

■ 31.4974, 42.1901,
40.2543

■ 7.4947, 3.8146,
2.5656

■ 34.7130, 47.5651,
44.5821

Harmonies

Analogous

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



13.4277, 12.9899, 16.5468



13.7013, 12.9899, 14.6171



13.6013, 12.9899, 12.7263

Triad

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



13.7013, 12.9899, 14.6171



11.8411, 12.9899, 10.9428



11.5679, 12.9899, 17.3726

Complementary

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



13.7013, 12.9899, 14.6171



13.6619, 15.8313, 16.5239

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.



11.1714, 12.9899, 15.6628



13.7013, 12.9899, 14.6171



11.3250, 12.9899, 11.9855

Square

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



13.7013, 12.9899, 14.6171



12.5107, 12.9899, 10.7186



11.0841, 12.9899, 13.6808



12.1838, 12.9899, 18.2304

Rectangle

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



13.7013, 12.9899, 14.6171



13.3379, 12.9899, 11.7273



11.0841, 12.9899, 13.6808



11.4055, 12.9899, 16.8713

Sweetspot

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



13.7017, 12.9905, 14.6174



27.6371, 28.2159, 31.0608



13.4278, 12.7746, 17.9778



6.5545, 6.6692, 7.3501



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.7017, 12.9905, 14.6174



23.5474, 21.6972, 24.5775



13.5700, 13.2660, 12.9125



3.7346, 3.7211, 4.1290



8.5581, 4.3569, 2.8811



41.3224, 21.0791, 12.0268

Inverse Universe

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



13.7017, 12.9905, 14.6174



23.5474, 21.6972, 24.5775



13.7998, 15.4869, 18.4818



3.7346, 3.7211, 4.1290



8.5581, 4.3569, 2.8811



41.3224, 21.0791, 12.0268

Previews

White Background



This preview shows how the XYZ color 13.7013, 12.9899, 14.6171 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 13.7013, 12.9899, 14.6171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

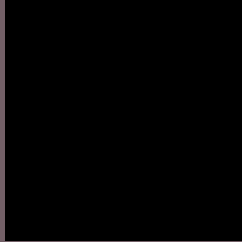
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7013, 12.9899, 14.6171

Background



This preview shows how black text looks on a background with the XYZ color 13.7013, 12.9899, 14.6171.



This preview shows how white text looks on a background with the XYZ color 13.7013, 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

13.7013, 12.9899, 14.6171

Protanopia

12.6382, 12.9797, 15.4749

Deuteranopia

13.2463, 13.0296, 14.6488



Tritanopia

13.7013, 12.9899, 14.6171

Trichromacy



Original Color

13.7013, 12.9899, 14.6171

Protanomaly

13.0750, 13.0694, 15.1981

Deuteranomaly

13.4050, 12.9734, 14.6296

Tritanomaly

13.7013, 12.9899, 14.6171

Monochromacy



Original Color

13.7013, 12.9899, 14.6171

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0188, 13.1995, 14.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7013, 12.9899, 14.6171 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(115, 96, 103)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 103)  
}
```

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(115, 96, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.7013, 12.9899, 14.6171 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(115, 96, 103) }
```


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

```
.border{ border-color:rgb(115, 96, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 96, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 96, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 96, 103); box-shadow:4px 4px 4px 4px rgb(115, 96, 103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7013, 12.9899, 14.6171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 103) }
```

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

```
.background{ background-color: rgb(115, 96,  
103) }
```

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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