

Converting Colors

XYZ(13.4445, 12.9963, 14.8161)

Have a look what the booklet for
XYZ(13.4445, 12.9963, 14.8161)
contains.

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Color

**XYZ(13.4555, 12.9936,
14.8955)**

Conversions

Conversions Part 1

Format	Color
Hex	706168
RGB	112, 97, 104
RGB Percent	44%, 38%, 41%
CMY	0.5608, 0.6196, 0.5922
CMYK	0.00, 0.13, 0.07, 0.56
HSL	332°, 7%, 41%
HSV	332°, 13%, 44%
XYZ	13.4555, 12.9936, 14.8955
YIQ	102.2830, 6.6930, 5.3570

Conversions

Conversions Part 2

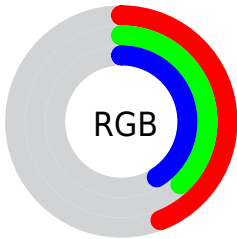
Format	Color
R_{YB}	112, 97, 104
Decimal	7364968
CIE _{Lab}	42.75, 7.34, -1.75
CIE _{LCh}	43, 7.548, 346.563
Yxy	12.9936, 0.3254, 0.3143
Android (android.graphics.Color)	4285555048 (0xFF706168)
YUV	102.2830, 0.8465, 8.5218
Hunter-Lab	36.0466, 3.5489, 0.7323

Details

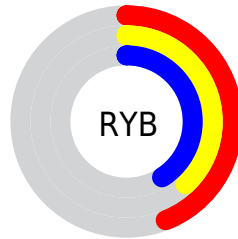
The XYZ color **13.4555, 12.9936, 14.8955** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2743, 15.1501, 15.5900**, and the grayscale version is **12.7003, 13.3617, 14.5509**.

A 20% lighter version of the original color is **31.8161, 31.4389, 35.4018**, and **4.0367, 3.7530, 4.3825** is the 20% darker color. If you saturate the color by 10%, you get **12.2001, 10.9512, 13.0325**, and if you desaturate by 10%, it is **14.8793, 15.3380, 16.9210**.

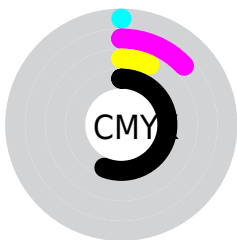
Distribution



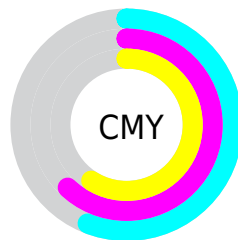
- Red (44%)
- Green (38%)
- Blue (41%)



- Red (44%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (7%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4555, 12.9936, 14.8955 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 13.4555, 12.9936, 14.8955 by changing the saturation by 10% instead.

■ 13.4555, 12.9936,
14.8955

■ 13.4555, 12.9936,
14.8955

207.3958,
210.8766, 234.3518

■ 7.8221, 7.4241,
8.6003

■ 31.7141, 31.2923,
35.4095

■ 4.0322, 3.7287,
4.3882

■ 45.0701, 44.7903,
50.4653

■ 1.7204, 1.5230,
1.8406

■ 61.7309, 61.7000,
69.2783

■ 0.4690, 0.3048,
0.4545

■ 82.0619, 82.4056,
92.2672

■ 0.0000, 0.0000,
0.0000

106.4286,
107.2918, 119.8505

135.1962,

136.7427, 152.4466

168.7302,
171.1429, 190.4742

■ 13.4555, 12.9936,
14.8955

■ 13.4555, 12.9936,
14.8955

■ 12.2001, 10.9512,
13.0325

■ 14.8793, 15.3380,
16.9210

■ 11.1054, 9.1968,
11.3269

■ 16.4765, 17.9943,
19.1124

■ 10.1649, 7.7177,
9.7744

■ 18.2534, 20.9742,
21.4739

■ 9.3710, 6.4996,
8.3701

■ 20.2155, 24.2881,
24.0095

■ 8.7156, 5.5270,
7.1088

■ 22.3681, 27.9460,
26.7228

8.1896, 4.7826,
5.9851

24.7164, 31.9575,
29.6174

7.7829, 4.2470,
4.9929

27.2652, 36.3317,
32.6969

7.4814, 3.8930,
4.1249

30.0193, 41.0777,
35.9646

7.3079, 3.6951,
3.6074

32.9832, 46.2039,
39.4238

Harmonies

Analogous

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



13.1693, 12.9936, 16.4355



13.4555, 12.9936, 14.8955



13.4390, 12.9936, 13.2653

Triad

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



13.4555, 12.9936, 14.8955



12.0379, 12.9936, 11.3279



11.6062, 12.9936, 16.5707

Complementary

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



13.4555, 12.9936, 14.8955



13.2743, 15.1501, 15.5900

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.



11.3215, 12.9936, 15.0687



13.4555, 12.9936, 14.8955



11.5654, 12.9936, 12.0829

Square

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



13.4555, 12.9936, 14.8955



12.6084, 12.9936, 11.2894



11.3068, 12.9936, 13.4256



12.0952, 12.9936, 17.4521

Rectangle

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



13.4555, 12.9936, 14.8955



13.2584, 12.9936, 12.3463



11.3068, 12.9936, 13.4256



11.4841, 12.9936, 16.1166

Sweetspot

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



13.4559, 12.9942, 14.8958



25.9504, 26.6329, 29.4621



13.0255, 12.7231, 17.0988



6.1952, 6.3334, 7.0230



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.



13.4559, 12.9942, 14.8958



22.9397, 21.6857, 25.1470



13.1613, 12.9505, 13.1159



3.4432, 3.4250, 3.8608



8.4368, 4.2671, 4.1101



41.5994, 21.0851, 18.2205

Inverse Universe

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



13.4559, 12.9942, 14.8958



22.9397, 21.6857, 25.1470



13.5940, 15.1899, 17.5450



3.4432, 3.4250, 3.8608



8.4368, 4.2671, 4.1101



41.5994, 21.0851, 18.2205

Previews

White Background



This preview shows how the XYZ color 13.4555, 12.9936, 14.8955 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 13.4555, 12.9936, 14.8955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

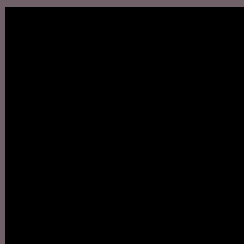
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4555, 12.9936, 14.8955

Background



This preview shows how black text looks on a background with the XYZ color 13.4555, 12.9936, 14.8955.



This preview shows how white text looks on a background with the XYZ color 13.4555, 12.9936,

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

13.4555, 12.9936, 14.8955

Protanopia

12.5255, 12.9217, 15.4696

Deuteranopia

13.2968, 13.0498, 14.9148



Tritanopia

13.5066, 13.0141, 15.1647

Trichromacy



Original Color

13.4555, 12.9936, 14.8955

Protanomaly

12.8373, 12.9469, 15.1870

Deuteranomaly

13.4219, 13.1143, 14.9206

Tritanomaly

13.5066, 13.0141, 15.1647

Monochromacy



Original Color

13.4555, 12.9936, 14.8955

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9492, 13.1578, 14.6892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4555, 12.9936, 14.8955 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(112, 97, 104)` looks like.

```
.text, #text, p{  
    color:rgb(112, 97, 104)  
}
```

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(112, 97, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 97, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.4555, 12.9936, 14.8955 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(112, 97, 104) }
```


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

```
.border{ border-color:rgb(112, 97, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 97, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 97, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 97, 104);  
box-shadow:4px 4px 4px 4px rgb(112, 97,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4555, 12.9936, 14.8955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 97, 104) }
```

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

```
.background{ background-color: rgb(112, 97,  
104) }
```

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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