

Converting Colors

XYZ(12.8873, 13.7484, 13.0408)

Have a look what the booklet for
XYZ(12.8873, 13.7484, 13.0408)
contains.

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Color

**XYZ(12.8873, 13.7484,
13.0408)**

Conversions

Conversions Part 1

Format	Color
Hex	696860
RGB	105, 104, 96
RGB Percent	41%, 41%, 38%
CMY	0.5882, 0.5921, 0.6235
CMYK	0.00, 0.01, 0.09, 0.59
HSL	53°, 4%, 39%
HSV	53°, 9%, 41%
XYZ	12.8873, 13.7484, 13.0408
YIQ	103.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

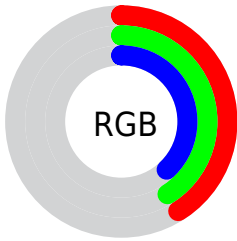
Format	Color
RYB	97, 105, 96
Decimal	6908000
CIELab	43.87, -1.19, 4.64
CIElCh	44, 4.789, 104.403
Yxy	13.7484, 0.3248, 0.3465
Android (android.graphics.Color)	4285098080 (0xFF696860)
YUV	103.3870, -3.6418, 1.4146
Hunter-Lab	37.0788, -2.8476, 5.1026

Details

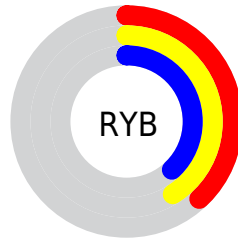
The XYZ color **12.8873, 13.7484, 13.0408** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6483, 12.0558, 15.0777**, and the grayscale version is **13.0037, 13.6810, 14.8986**.

A 20% lighter version of the original color is **30.6200, 32.5859, 31.8700**, and **3.7838, 4.0561, 3.6011** is the 20% darker color. If you saturate the color by 10%, you get **12.3196, 13.3356, 10.6237**, and if you desaturate by 10%, it is **13.5219, 14.1915, 15.7992**.

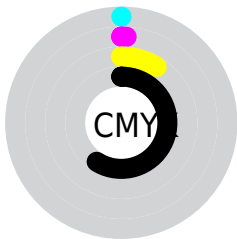
Distribution



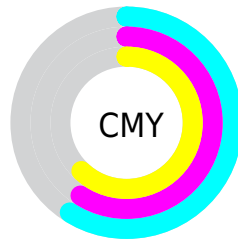
- Red (41%)
- Green (41%)
- Blue (38%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (59%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8873, 13.7484, 13.0408 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 12.8873, 13.7484, 13.0408 by changing the saturation by 10% instead.

■ 12.8873, 13.7484,
13.0408

■ 12.8873, 13.7484,
13.0408

203.8464,
215.6599, 222.3960

■ 7.4274, 7.9459,
7.3256

■ 30.7042, 32.6419,
32.0693

■ 3.7795, 4.0603,
3.5850

■ 43.7920, 46.5017,
46.2197

■ 1.5782, 1.7074,
1.4006

■ 60.1531, 63.8161,
64.0189

■ 0.3781, 0.4284,
0.1422

■ 80.1529, 84.9694,
85.8855

■ 0.0000, 0.0000,
0.0000

104.1568,
110.3460, 112.2379

132.5301,

140.3304, 143.4948

165.6382,
175.3069, 180.0746

■ 12.8873, 13.7484,
13.0408

■ 12.8873, 13.7484,
13.0408

■ 12.3196, 13.3356,
10.6237

■ 13.5219, 14.1915,
15.7992

■ 11.8153, 12.9503,
8.5337

■ 14.2248, 14.6639,
18.9106

■ 11.3718, 12.5919,
6.7567

■ 14.9986, 15.1674,
22.3873

■ 10.9864, 12.2593,
5.2773

■ 15.8455, 15.7027,
26.2409

■ 10.6559, 11.9512,
4.0791

■ 16.7675, 16.2707,
30.4821

■ 10.3768, 11.6661,
3.1438

■ 17.7667, 16.8723,
35.1216

■ 10.1452, 11.4026,
2.4508

■ 18.8450, 17.5081,
40.1693

■ 9.9566, 11.1589,
1.9770

■ 20.0042, 18.1789,
45.6351

■ 9.7948, 10.9283,
1.6362

■ 21.2461, 18.8855,
51.5283

Harmonies

Analogous

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



13.2640, 13.7484, 13.0511



12.8873, 13.7484, 13.0408



12.5649, 13.7484, 13.5298

Triad

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



12.8873, 13.7484, 13.0408



12.5545, 13.7484, 16.4755



13.7808, 13.7484, 15.5369

Complementary

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



12.8873, 13.7484, 13.0408



11.6483, 12.0558, 15.0777

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.



13.5832, 13.7484, 16.5082



12.8873, 13.7484, 13.0408



12.8728, 13.7484, 17.0677

Square

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



12.8873, 13.7484, 13.0408



12.3753, 13.7484, 15.4940



13.2493, 13.7484, 17.0799



13.7849, 13.7484, 14.4573

Rectangle

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



12.8873, 13.7484, 13.0408



12.4222, 13.7484, 14.0874



13.2493, 13.7484, 17.0799



13.7346, 13.7484, 15.8881

Sweetspot

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



12.8877, 13.7490, 13.0411



23.6848, 25.0472, 25.9832



12.1687, 12.2332, 13.0416



5.5300, 5.8547, 6.0077



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.8877, 13.7490, 13.0411



22.8940, 24.4885, 22.5657



12.5916, 13.7463, 13.0562



3.3059, 3.5291, 3.3244



12.3569, 13.7635, 2.0054



62.5714, 69.3465, 10.0873

Inverse Universe

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



11.6483, 12.0558, 15.0777



20.2593, 20.8892, 26.8953



11.9277, 12.0639, 15.0646



2.9730, 3.0742, 3.8716



3.3725, 1.5793, 17.0493



16.8459, 7.3704, 86.7610

Previews

White Background



This preview shows how the XYZ color 12.8873, 13.7484, 13.0408 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 12.8873, 13.7484, 13.0408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

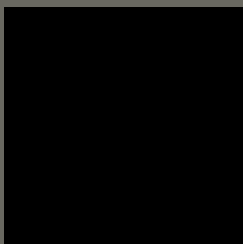
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

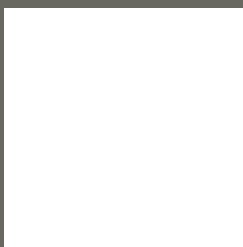
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8873, 13.7484, 13.0408

Background



This preview shows how black text looks on a background with the XYZ color 12.8873, 13.7484, 13.0408.



This preview shows how white text looks on a background with the XYZ color 12.8873, 13.7484,

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

12.8873, 13.7484, 13.0408

Protanopia

13.0250, 13.6708, 13.0186

Deuteranopia

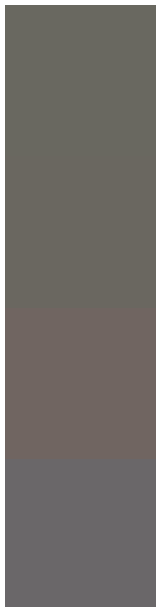
13.9173, 13.6904, 13.2183



Tritanopia

13.6292, 13.7543, 16.6884

Trichromacy



Original Color

12.8873, 13.7484, 13.0408

Protanomaly

12.9054, 13.6092, 13.0130

Deuteranomaly

13.4934, 13.6152, 13.2261

Tritanomaly

13.3439, 13.7846, 15.3220

Monochromacy



Original Color

12.8873, 13.7484, 13.0408

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8594, 13.5637, 13.9969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8873, 13.7484, 13.0408 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(105, 104, 96)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 96)  
}
```

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(105, 104, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.8873, 13.7484, 13.0408 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(105, 104, 96) }
```


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

```
.border{ border-color:rgb(105, 104, 96) }
```

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

Here you see how a box with a 4 pixel rgb(105, 104, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 96);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8873, 13.7484, 13.0408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 96) }
```

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

```
.background{ background-color: rgb(105,  
104, 96) }
```

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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