

Converting Colors

XYZ(12.9837, 14.6453, 14.3764)

Have a look what the booklet for
XYZ(12.9837, 14.6453, 14.3764)
contains.

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Color

**XYZ(13.0705, 14.7441,
14.4689)**

Conversions

Conversions Part 1

Format	Color
Hex	636E65
RGB	99, 110, 101
RGB Percent	39%, 43%, 40%
CMY	0.6118, 0.5686, 0.6039
CMYK	0.10, 0.00, 0.08, 0.57
HSL	131°, 5%, 41%
HSV	131°, 10%, 43%
XYZ	13.0705, 14.7441, 14.4689
YIQ	105.6850, -3.6670, -5.1310

Conversions

Conversions Part 2

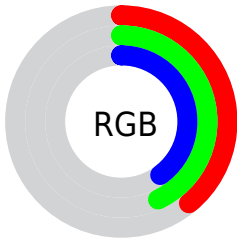
Format	Color
R_{YB}	99, 108, 110
Decimal	6516325
CIE Lab	45.28, -6.07, 3.60
CIE LCh	45, 7.052, 149.321
Yxy	14.7441, 0.3091, 0.3487
Android (android.graphics.Color)	4284706405 (0xFF636E65)
YUV	105.6850, -2.3097, -5.8627
Hunter-Lab	38.3980, -6.4361, 4.5374

Details

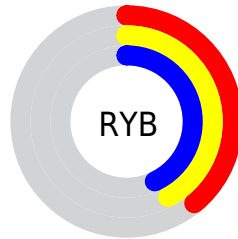
The XYZ color **13.0705, 14.7441, 14.4689** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5996, 13.3218, 16.0427**, and the grayscale version is **13.6206, 14.3300, 15.6053**.

A 20% lighter version of the original color is **31.1655, 34.5917, 34.7400**, and **3.8047, 4.4417, 4.1468** is the 20% darker color. If you saturate the color by 10%, you get **11.5326, 13.9999, 12.2196**, and if you desaturate by 10%, it is **14.8213, 15.5933, 16.9809**.

Distribution



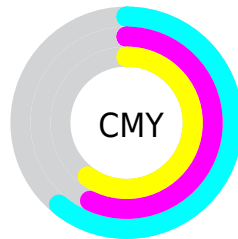
- Red (39%)
- Green (43%)
- Blue (40%)



- Red (39%)
- Yellow (42%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0705, 14.7441, 14.4689 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 13.0705, 14.7441, 14.4689 by changing the saturation by 10% instead.

■ 13.0705, 14.7441,
14.4689

■ 13.0705, 14.7441,
14.4689

204.9975,
221.8121, 231.6577

■ 7.5544, 8.6400,
8.3050

■ 31.0306, 34.4036,
34.6478

■ 3.8606, 4.5071,
4.2002

■ 44.2054, 48.7278,
49.4998

■ 1.6236, 1.9611,
1.7358

■ 60.6638, 66.5609,
68.0851

■ 0.4077, 0.5847,
0.3851

■ 80.7712, 88.2871,
90.8220

■ 0.0000, 0.0000,
0.0000

104.8929,
114.2909, 118.1292

133.3942,

144.9568, 150.4252

166.6407,
180.6690, 188.1285

■ 13.0705, 14.7441,
14.4689

■ 13.0705, 14.7441,
14.4689

■ 11.5326, 13.9999,
12.2196

■ 14.8213, 15.5933,
16.9809

■ 10.1981, 13.3547,
10.2237

■ 16.7915, 16.5494,
19.7628

■ 9.0590, 12.8051,
8.4725

■ 18.9887, 17.6167,
22.8226

■ 8.1058, 12.3463,
6.9566

■ 21.4199, 18.7985,
26.1678

■ 7.3286, 11.9734,
5.6659

■ 24.0917, 20.0981,
29.8054

■ 6.7164, 11.6810,
4.5896

■ 27.0106, 21.5188,
33.7425

■ 6.2569, 11.4629,
3.7162

■ 30.1827, 23.0634,
37.9855

■ 5.9359, 11.3122,
3.0327

■ 33.6139, 24.7350,
42.5411

■ 5.7024, 11.2029,
2.5234

■ 37.3100, 26.5363,
47.4154

Harmonies

Analogous

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



13.4713, 14.7441, 13.4111



13.0705, 14.7441, 14.4689



12.9212, 14.7441, 16.0157

Triad

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



13.0705, 14.7441, 14.4689



14.0005, 14.7441, 19.4874



15.0154, 14.7441, 14.5306

Complementary

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



13.0705, 14.7441, 14.4689



13.5996, 13.3218, 16.0427

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.



15.1664, 14.7441, 16.0919



13.0705, 14.7441, 14.4689



14.5707, 14.7441, 19.0228

Square

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



13.0705, 14.7441, 14.4689



13.4489, 14.7441, 18.9802



15.0015, 14.7441, 17.7504



14.5944, 14.7441, 13.4449

Rectangle

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



13.0705, 14.7441, 14.4689



12.9811, 14.7441, 17.1410



15.0015, 14.7441, 17.7504



15.0999, 14.7441, 15.0136

Sweetspot

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



13.0709, 14.7447, 14.4692



25.0410, 26.9050, 28.4125



14.0333, 15.2520, 14.0089



5.7769, 6.2366, 6.5398



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.0709, 14.7447, 14.4692



22.2949, 25.5741, 24.4531



13.3409, 14.8527, 15.8910



3.3676, 3.7722, 3.7418



6.8412, 13.4540, 2.9846



33.8408, 66.9250, 13.6130

Inverse Universe

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



13.5996, 13.3218, 16.0427



23.4215, 22.5419, 27.8060



13.3242, 13.2116, 14.5927



3.4897, 3.4436, 4.1053



9.9326, 4.8654, 11.9869



49.1881, 24.1205, 58.1817

Previews

White Background



This preview shows how the XYZ color 13.0705, 14.7441, 14.4689 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 13.0705, 14.7441, 14.4689 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

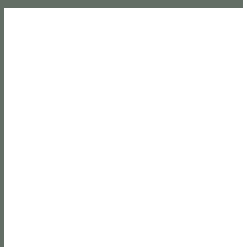
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0705, 14.7441, 14.4689

Background



This preview shows how black text looks on a background with the XYZ color 13.0705, 14.7441, 14.4689.



This preview shows how white text looks on a background with the XYZ color 13.0705, 14.7441,

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

13.0705, 14.7441, 14.4689

Protanopia

14.0654, 14.7957, 13.9189

Deuteranopia

14.8563, 14.5817, 14.6019



Tritanopia

13.9944, 14.8109, 18.6442

Trichromacy



Original Color

13.0705, 14.7441, 14.4689

Protanomaly

13.7262, 14.7710, 14.1842

Deuteranomaly

14.2344, 14.7121, 14.6599

Tritanomaly

13.7047, 14.8517, 17.1833

Monochromacy



Original Color

13.0705, 14.7441, 14.4689

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3499, 14.3984, 15.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0705, 14.7441, 14.4689 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(99, 110, 101) looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 101)  
}
```

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(99, 110, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 101) }
```

Border

The CSS property to change the border of an element to XYZ 13.0705, 14.7441, 14.4689 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(99, 110, 101) }
```


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

```
.border{ border-color:rgb(99, 110, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 110, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 101);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0705, 14.7441, 14.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 101) }
```

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

```
.background{ background-color: rgb(99, 110,  
101) }
```

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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