

Converting Colors

XYZ(13.9984, 16.4104, 13.7390)

Have a look what the booklet for
XYZ(13.9984, 16.4104, 13.7390)
contains.

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Color

**XYZ(13.9984, 16.4104,
13.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	667561
RGB	102, 117, 97
RGB Percent	40%, 46%, 38%
CMY	0.6000, 0.5412, 0.6196
CMYK	0.13, 0.00, 0.17, 0.54
HSL	105°, 9%, 42%
HSV	105°, 17%, 46%
XYZ	13.9984, 16.4104, 13.7390
YIQ	110.2350, -2.5200, -9.4000

Conversions

Conversions Part 2

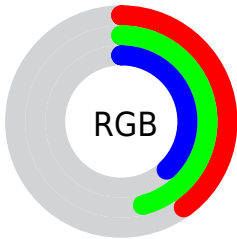
Format	Color
R_{YB}	97, 117, 112
Decimal	6714721
CIE Lab	47.51, -9.69, 9.18
CIE LCh	48, 13.354, 136.552
Yxy	16.4104, 0.3171, 0.3717
Android (android.graphics.Color)	4284904801 (0xFF667561)
YUV	110.2350, -6.5249, -7.2221
Hunter-Lab	40.5098, -9.2103, 8.2485

Details

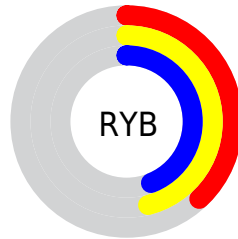
The XYZ color **13.9984, 16.4104, 13.7390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1684, 13.2790, 18.6468**, and the grayscale version is **14.9075, 15.6839, 17.0797**.

A 20% lighter version of the original color is **32.6701, 37.2864, 33.4921**, and **4.3012, 5.3075, 3.9297** is the 20% darker color. If you saturate the color by 10%, you get **12.5502, 15.7228, 11.0304**, and if you desaturate by 10%, it is **15.6333, 17.1859, 16.8771**.

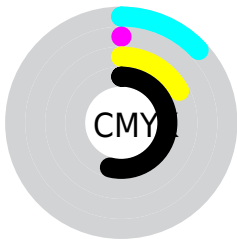
Distribution



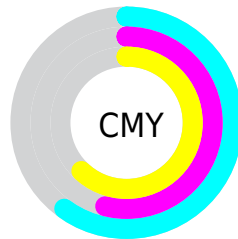
- Red (40%)
- Green (46%)
- Blue (38%)



- Red (38%)
- Yellow (46%)
- Blue (44%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9984, 16.4104, 13.7390 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 13.9984, 16.4104, 13.7390 by changing the saturation by 10% instead.

■ 13.9984, 16.4104,
13.7390

■ 13.9984, 16.4104,
13.7390

210.7317,
231.7514, 226.9727

■ 8.2012, 9.8150,
7.8027

■ 32.6725, 37.3092,
33.3356

■ 4.2769, 5.2765,
3.8830

■ 46.2801, 52.3815,
47.8330

■ 1.8599, 2.4104,
1.5614

■ 63.2220, 71.0481,
66.0212

■ 0.5534, 0.8312,
0.2630

■ 83.8634, 93.6936,
88.3187

■ 0.0000, 0.0000,
0.0000

108.5697,
120.7022, 115.1441

137.7063,

152.4585, 146.9158

171.6385,
189.3467, 184.0525

■ 13.9984, 16.4104,
13.7390

■ 13.9984, 16.4104,
13.7390

■ 12.5502, 15.7228,
11.0304

■ 15.6333, 17.1859,
16.8771

■ 11.2806, 15.1178,
8.7317

■ 17.4600, 18.0502,
20.4611

■ 10.1829, 14.5930,
6.8231

■ 19.4850, 19.0066,
24.5080

■ 9.2493, 14.1449,
5.2830

■ 21.7141, 20.0580,
29.0335

■ 8.4715, 13.7696,
4.0876

■ 24.1530, 21.2067,
34.0523

■ 7.8404, 13.4630,
3.2102

■ 26.8071, 22.4553,
39.5790

■ 7.3459, 13.2206,
2.6203

■ 29.6813, 23.8062,
45.6271

■ 6.9695, 13.0344,
2.2462

■ 32.7809, 25.2616,
52.2098

■ 6.8752, 12.9880,
2.1446

■ 36.1105, 26.8237,
59.3400

Harmonies

Analogous

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



14.9563, 16.4104, 12.3058



13.9984, 16.4104, 13.7390



13.4812, 16.4104, 16.3906

Triad

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



13.9984, 16.4104, 13.7390



15.0727, 16.4104, 25.0101



17.8895, 16.4104, 16.0697

Complementary

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



13.9984, 16.4104, 13.7390



14.1684, 13.2790, 18.6468

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.



17.9246, 16.4104, 19.4320



13.9984, 16.4104, 13.7390



16.2570, 16.4104, 24.8956

Square

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



13.9984, 16.4104, 13.7390



14.0799, 16.4104, 23.0468



17.3142, 16.4104, 22.7513



17.2206, 16.4104, 13.5299

Rectangle

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



13.9984, 16.4104, 13.7390



13.4380, 16.4104, 18.6245



17.3142, 16.4104, 22.7513



17.9770, 16.4104, 17.1325

Sweetspot

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



13.9988, 16.4111, 13.7394



28.6088, 31.0649, 31.4181



15.2886, 16.2340, 13.6372



6.5378, 7.1235, 7.1459



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.



13.9988, 16.4111, 13.7394



23.8726, 28.8191, 22.3518



13.6898, 16.2240, 14.9808



3.7185, 4.1384, 3.9451



7.5616, 14.3025, 2.3621



36.1700, 69.3481, 11.4792

Inverse Universe

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



14.1684, 13.2790, 18.6468



24.2430, 21.9601, 33.0980



14.5360, 13.5016, 17.1699



3.7416, 3.7141, 4.6099



7.9322, 3.6805, 18.8349



37.8413, 17.5164, 91.7468

Previews

White Background



This preview shows how the XYZ color 13.9984, 16.4104, 13.7390 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 13.9984, 16.4104, 13.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

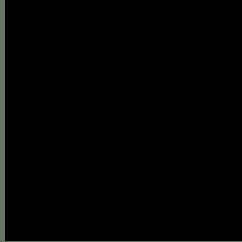
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9984, 16.4104, 13.7390

Background



This preview shows how black text looks on a background with the XYZ color 13.9984, 16.4104, 13.7390.



This preview shows how white text looks on a background with the XYZ color 13.9984, 16.4104,

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

13.9984, 16.4104, 13.7390

Protanopia

15.4675, 16.3365, 13.1645

Deuteranopia

16.5168, 16.2152, 14.0637



Tritanopia

15.3618, 16.2796, 20.7450

Trichromacy



Original Color

13.9984, 16.4104, 13.7390

Protanomaly

14.9387, 16.3899, 13.4425

Deuteranomaly

15.4968, 16.1727, 13.8601

Tritanomaly

14.8236, 16.2301, 17.9742

Monochromacy



Original Color

13.9984, 16.4104, 13.7390

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.5183, 15.9560, 15.6792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9984, 16.4104, 13.7390 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(102, 117, 97)` looks like.

```
.text, #text, p{  
    color:rgb(102, 117, 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(102, 117, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 117, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.9984, 16.4104, 13.7390 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(102, 117, 97) }
```


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

```
.border{ border-color:rgb(102, 117, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 117, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 117, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 117, 97);  
box-shadow:4px 4px 4px 4px rgb(102, 117,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9984, 16.4104, 13.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 117, 97) }
```

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

```
.background{ background-color: rgb(102,  
117, 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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