

Converting Colors

XYZ(13.7874, 16.2382, 16.5950)

Have a look what the booklet for
XYZ(13.7874, 16.2382, 16.5950)
contains.

XYZ(13.7874, 16.2382, 16.5950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7874, 16.2382,
16.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	5F756C
RGB	95, 117, 108
RGB Percent	37%, 46%, 42%
CMY	0.6274, 0.5412, 0.5765
CMYK	0.19, 0.00, 0.08, 0.54
HSL	155°, 10%, 42%
HSV	155°, 19%, 46%
XYZ	13.7874, 16.2382, 16.5950
YIQ	109.3960, -10.2230, -7.4630

Conversions

Conversions Part 2

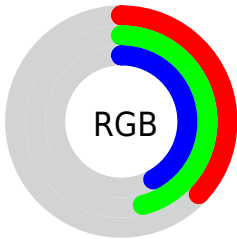
Format	Color
R _Y B	95, 109, 117
Decimal	6255980
CIE Lab	47.29, -10.07, 2.28
CIE LCh	47, 10.322, 167.236
Yxy	16.2382, 0.2957, 0.3483
Android (android.graphics.Color)	4284446060 (0xFF5F756C)
YUV	109.3960, -0.6882, -12.6253
Hunter-Lab	40.2966, -9.4458, 3.7908

Details

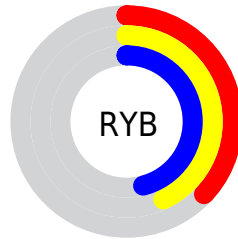
The XYZ color **13.7874, 16.2382, 16.5950** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9276, 12.9662, 14.8661**, and the grayscale version is **14.6527, 15.4158, 16.7878**.

A 20% lighter version of the original color is **32.3000, 36.9901, 38.2383**, and **4.1894, 5.2215, 5.2019** is the 20% darker color. If you saturate the color by 10%, you get **12.4144, 15.5595, 15.2373**, and if you desaturate by 10%, it is **15.3579, 17.0180, 18.0356**.

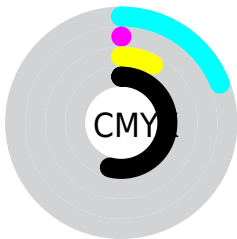
Distribution



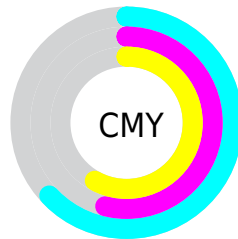
- Red (37%)
- Green (46%)
- Blue (42%)



- Red (37%)
- Yellow (43%)
- Blue (46%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (54%)



- Cyan (63%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7874, 16.2382, 16.5950 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 13.7874, 16.2382, 16.5950 by changing the saturation by 10% instead.

■ 13.7874, 16.2382,
16.5950

■ 13.7874, 16.2382,
16.5950

209.4414,
230.7432, 244.7920

■ 8.0537, 9.6929,
9.7873

■ 32.3007, 37.0112,
38.4092

■ 4.1814, 5.1958,
5.1544

■ 45.8111, 52.0077,
54.2527

■ 1.8053, 2.3626,
2.2778

■ 62.6443, 70.5901,
73.9452

■ 0.5208, 0.8065,
0.7187

■ 83.1658, 93.1426,
97.9053

■ 0.0000, 0.0000,
0.0000

107.7409,
120.0499, 126.5515

136.7349,

151.6961, 160.3023

170.5133,
188.4657, 199.5763

■ 13.7874, 16.2382,
16.5950

■ 13.7874, 16.2382,
16.5950

■ 12.4144, 15.5595,
15.2373

■ 15.3579, 17.0180,
18.0356

■ 11.2292, 14.9755,
13.9600

■ 17.1323, 17.9008,
19.5597

■ 10.2233, 14.4825,
12.7617

■ 19.1185, 18.8912,
21.1689

■ 9.3870, 14.0752,
11.6409

■ 21.3235, 19.9927,
22.8647

■ 8.7095, 13.7484,
10.5957

■ 23.7540, 21.2087,
24.6486

■ 8.1790, 13.4959,
9.6244

■ 26.4164, 22.5425,
26.5217

■ 7.7817, 13.3106,
8.7249

■ 29.3167, 23.9972,
28.4855

■ 7.4753, 13.1707,
7.8939

■ 32.4610, 25.5759,
30.5412

■ 7.4399, 13.1545,
7.7988

■ 35.8549, 27.2815,
32.6900

Harmonies

Analogous

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



14.1830, 16.2382, 14.4877



13.7874, 16.2382, 16.5950



13.8202, 16.2382, 19.2095

Triad

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



13.7874, 16.2382, 16.5950



15.9589, 16.2382, 22.9193



16.6544, 16.2382, 14.2467

Complementary

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



13.7874, 16.2382, 16.5950



13.9276, 12.9662, 14.8661

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.



17.1686, 16.2382, 16.2351



13.7874, 16.2382, 16.5950



16.7563, 16.2382, 21.3112

Square

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



13.7874, 16.2382, 16.5950



15.0500, 16.2382, 23.0400



17.2066, 16.2382, 18.8126



15.8243, 16.2382, 13.2244

Rectangle

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



13.7874, 16.2382, 16.5950



14.0806, 16.2382, 20.8941



17.2066, 16.2382, 18.8126



16.8713, 16.2382, 14.8148

Sweetspot

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



13.7879, 16.2389, 16.5954



28.3057, 30.8733, 33.0033



14.1557, 16.5026, 13.2660



6.4747, 7.0817, 7.5590



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.



13.7879, 16.2389, 16.5954



23.4679, 28.4732, 28.5331



14.0805, 16.0175, 19.1800



3.7229, 4.1311, 4.3747



8.1890, 14.4896, 8.5512



39.4727, 70.4364, 39.3900

Inverse Universe

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



13.9276, 12.9662, 14.8661



23.7720, 21.3561, 24.7735



13.6615, 13.1272, 12.6405



3.7403, 3.7234, 4.1592



8.6602, 4.3978, 3.4189



41.7989, 21.2697, 14.5361

Previews

White Background



This preview shows how the XYZ color 13.7874, 16.2382, 16.5950 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 13.7874, 16.2382, 16.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

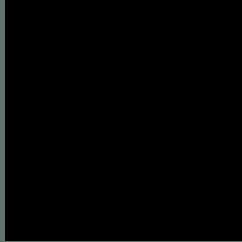
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7874, 16.2382, 16.5950

Background



This preview shows how black text looks on a background with the XYZ color 13.7874, 16.2382, 16.5950.



This preview shows how white text looks on a background with the XYZ color 13.7874, 16.2382,

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

13.7874, 16.2382, 16.5950

Protanopia

15.4367, 16.1018, 15.6590

Deuteranopia

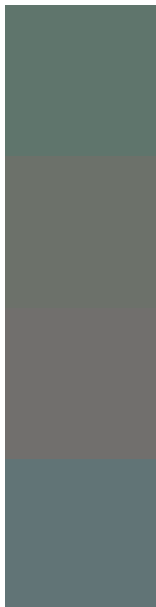
16.3454, 16.0619, 16.9906



Tritanopia

14.8058, 16.3134, 21.4372

Trichromacy



Original Color

13.7874, 16.2382, 16.5950

Protanomaly

14.6910, 16.0390, 15.9572

Deuteranomaly

15.2548, 15.9837, 16.7491

Tritanomaly

14.4452, 16.3402, 19.5322

Monochromacy



Original Color

13.7874, 16.2382, 16.5950

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2634, 15.6355, 16.7342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7874, 16.2382, 16.5950 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(95, 117, 108) looks like.

```
.text, #text, p{  
    color:rgb(95, 117, 108)  
}
```

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(95, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 117, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.7874, 16.2382, 16.5950 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(95, 117, 108) }
```


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

```
.border{ border-color:rgb(95, 117, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(95, 117,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7874, 16.2382, 16.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 117, 108) }
```

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

```
.background{ background-color: rgb(95, 117,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor