

Converting Colors

XYZ(13.7353, 16.6847, 17.1751)

Have a look what the booklet for
XYZ(13.7353, 16.6847, 17.1751)
contains.

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Color

**XYZ(13.7474, 16.7324,
17.2570)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 5A786E |
| RGB | 90, 120, 110 |
| RGB Percent | 35%, 47%, 43% |
| CMY | 0.6471, 0.5294, 0.5686 |
| CMYK | 0.25, 0.00, 0.08, 0.53 |
| HSL | 160°, 14%, 41% |
| HSV | 160°, 25%, 47% |
| XYZ | 13.7474, 16.7324, 17.2570 |
| YIQ | 109.8900, -14.6700, -9.4700 |

Conversions

Conversions Part 2

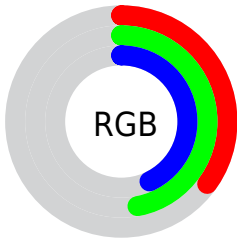
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 90, 108, 120 |
| Decimal | 5929070 |
| CIE _{Lab} | 47.92, -13.06, 1.97 |
| CIE _{LCh} | 48, 13.210, 171.404 |
| Yxy | 16.7324, 0.2880, 0.3505 |
| Android (android.graphics.Color) | 4284119150 (0xFF5A786E) |
| YUV | 109.8900, 0.0542, -17.4435 |
| Hunter-Lab | 40.9053, -11.5941, 3.6206 |

Details

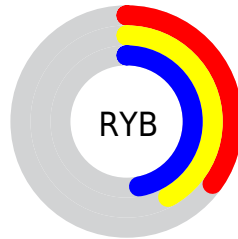
The XYZ color **13.7474, 16.7324, 17.2570** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7027, 12.2259, 13.6949**, and the grayscale version is **14.7927, 15.5631, 16.9482**.

A 20% lighter version of the original color is **32.2586, 37.7764, 39.7738**, and **4.1467, 5.3789, 5.5223** is the 20% darker color. If you saturate the color by 10%, you get **12.4603, 16.0939, 16.0855**, and if you desaturate by 10%, it is **15.2338, 17.4734, 18.4898**.

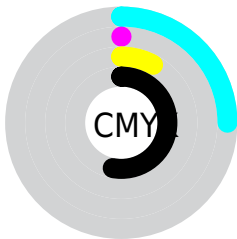
Distribution



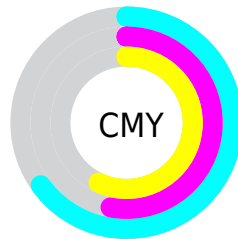
- Red (35%)
- Green (47%)
- Blue (43%)



- Red (35%)
- Yellow (42%)
- Blue (47%)



- Cyan (25%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)



- Cyan (65%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7474, 16.7324, 17.2570 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 13.7474, 16.7324, 17.2570 by changing the saturation by 10% instead.

■ 13.7474, 16.7324,
17.2570

■ 13.7474, 16.7324,
17.2570

209.1959,
233.6255, 248.7430

■ 8.0257, 10.0439,
10.2540

■ 32.2302, 37.8651,
39.5638

■ 4.1633, 5.4281,
5.4599

■ 45.7220, 53.0781,
55.7047

■ 1.7950, 2.5005,
2.4561

■ 62.5345, 71.9013,
75.7286

■ 0.5146, 0.8769,
0.8168

■ 83.0332, 94.7193,
100.0542

■ 0.0000, 0.0000,
0.0000

■ 107.5833,
121.9162, 129.0998

136.5502,

153.8767, 163.2842

170.2993,
190.9850, 203.0257

■ 13.7474, 16.7324,
17.2570

■ 13.7474, 16.7324,
17.2570

■ 12.4603, 16.0939,
16.0855

■ 15.2338, 17.4734,
18.4898

■ 11.3619, 15.5511,
14.9732

■ 16.9266, 18.3191,
19.7840

■ 10.4427, 15.0997,
13.9193

■ 18.8343, 19.2745,
21.1409

■ 9.6920, 14.7339,
12.9226

■ 20.9645, 20.3435,
22.5614

■ 9.0976, 14.4477,
11.9817

■ 23.3244, 21.5296,
24.0466

■ 8.6459, 14.2340,
11.0955

■ 25.9210, 22.8366,
25.5975

■ 8.3148, 14.0814,
10.2619

■ 28.7608, 24.2677,
27.2148

■ 8.1647, 14.0127,
9.8634

■ 31.8501, 25.8262,
28.8994

■ 35.1951, 27.5153,
30.6524

Harmonies

Analogous

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



14.1820, 16.7324, 14.4299



13.7474, 16.7324, 17.2570



13.8676, 16.7324, 20.7156

Triad

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



13.7474, 16.7324, 17.2570



16.7531, 16.7324, 25.0240



17.3737, 16.7324, 13.5633

Complementary

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



13.7474, 16.7324, 17.2570



13.7027, 12.2259, 13.6949

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.



18.1298, 16.7324, 15.9310



13.7474, 16.7324, 17.2570



17.7593, 16.7324, 22.6187

Square

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



13.7474, 16.7324, 17.2570



15.5642, 16.7324, 25.4943



18.2743, 16.7324, 19.2156



16.2480, 16.7324, 12.4786

Rectangle

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



13.7474, 16.7324, 17.2570



14.2489, 16.7324, 22.9040



18.2743, 16.7324, 19.2156



17.6818, 16.7324, 14.2204

Sweetspot

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



13.7479, 16.7331, 17.2574



28.7777, 31.7227, 34.0558



13.8735, 16.9098, 12.2058



6.7277, 7.4719, 8.0009



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7479, 16.7331, 17.2574



22.8388, 28.7634, 29.1565



13.7951, 15.9062, 20.1132



4.0529, 4.4908, 4.8126



8.9001, 15.2837, 10.7246



42.0470, 72.7418, 49.0127

Inverse Universe

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



13.7027, 12.2259, 13.6949



22.7458, 19.4023, 21.7617



13.6390, 12.8263, 11.4300



4.0483, 4.0351, 4.4521



8.8619, 4.5209, 2.5637



41.9145, 21.4221, 10.3459

Previews

White Background



This preview shows how the XYZ color 13.7474, 16.7324, 17.2570 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 13.7474, 16.7324, 17.2570 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 13.7474, 16.7324, 17.2570

Background



This preview shows how black text looks on a background with the XYZ color 13.7474, 16.7324, 17.2570.



This preview shows how white text looks on a background with the XYZ color 13.7474, 16.7324,

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

13.7474, 16.7324, 17.2570

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

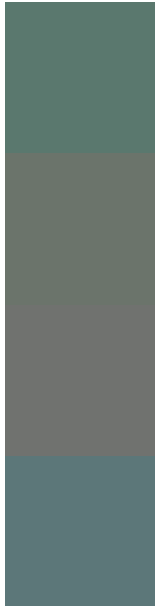
16.9580, 16.6817, 17.6553



Tritanopia

14.8234, 16.8163, 22.5433

Trichromacy



Original Color

13.7474, 16.7324, 17.2570

Protanomaly

14.9626, 16.6781, 16.3405

Deuteranomaly

15.5686, 16.6271, 17.4277

Tritanomaly

14.4616, 16.8494, 20.5792

Monochromacy



Original Color

13.7474, 16.7324, 17.2570

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4253, 16.0440, 17.0884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7474, 16.7324, 17.2570 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(90, 120, 110) looks like.

```
.text, #text, p{  
    color:rgb(90, 120, 110)  
}
```

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(90, 120, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 120, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.7474, 16.7324, 17.2570 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(90, 120, 110) }
```


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

```
.border{ border-color:rgb(90, 120, 110) }
```

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

Here you see how a box with a 4 pixel rgb(90, 120, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 120, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 120, 110);  
box-shadow:4px 4px 4px 4px rgb(90, 120,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7474, 16.7324, 17.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 120, 110) }
```

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

```
.background{ background-color: rgb(90, 120,  
110) }
```

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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