

Converting Colors

XYZ(13.6213, 13.3163, 10.1593)

Have a look what the booklet for
XYZ(13.6213, 13.3163, 10.1593)
contains.

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Color

**XYZ(13.5757, 13.2974,
10.2386)**

Conversions

Conversions Part 1

Format	Color
Hex	776254
RGB	119, 98, 84
RGB Percent	47%, 38%, 33%
CMY	0.5333, 0.6157, 0.6706
CMYK	0.00, 0.18, 0.29, 0.53
HSL	24°, 17%, 40%
HSV	24°, 29%, 47%
XYZ	13.5757, 13.2974, 10.2386
YIQ	102.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

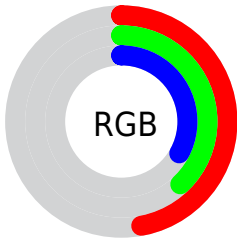
Format	Color
R _Y B	119, 107, 84
Decimal	7823956
CIE Lab	43.21, 6.16, 11.14
CIE LCh	43, 12.724, 61.063
Yxy	13.2974, 0.3658, 0.3583
Android (android.graphics.Color)	4286014036 (0xFF776254)
YUV	102.6830, -9.2107, 14.3100
Hunter-Lab	36.4656, 2.6386, 8.8788

Details

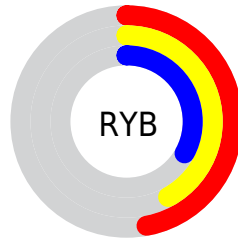
The XYZ color **13.5757, 13.2974, 10.2386** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0374, 13.3195, 19.3894**, and the grayscale version is **12.8291, 13.4972, 14.6985**.

A 20% lighter version of the original color is **32.0638, 31.9868, 27.0384**, and **4.1200, 3.9046, 2.4560** is the 20% darker color. If you saturate the color by 10%, you get **12.5103, 11.8501, 7.7760**, and if you desaturate by 10%, it is **14.7807, 14.8968, 13.1387**.

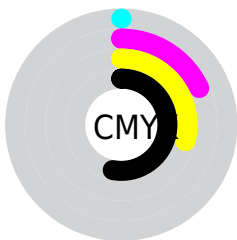
Distribution



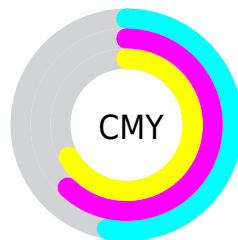
- Red (47%)
- Green (38%)
- Blue (33%)



- Red (47%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5757, 13.2974, 10.2386 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 13.5757, 13.2974, 10.2386 by changing the saturation by 10% instead.

■ 13.5757, 13.2974,
10.2386

■ 13.5757, 13.2974,
10.2386

208.1389,
212.8150, 202.9129

■ 7.9059, 7.6337,
5.4498

■ 31.9268, 31.8371,
26.8581

■ 4.0861, 3.8614,
2.4502

■ 45.3389, 45.4817,
39.5259

■ 1.7509, 1.5964,
0.8136

■ 62.0624, 62.5555,
55.6571

■ 0.4878, 0.3551,
0.0000

■ 82.4626, 83.4429,
75.6702

■ 0.0000, 0.0000,
0.0000

■ 106.9051,
108.5281, 99.9838

135.7550,

138.1955, 129.0164

169.3779,
172.8297, 163.1866

■ 13.5757, 13.2974,
10.2386

■ 13.5757, 13.2974,
10.2386

■ 12.5103, 11.8501,
7.7760

■ 14.7807, 14.8968,
13.1387

■ 11.5777, 10.5483,
5.7286

■ 16.1293, 16.6510,
16.4957

■ 10.7725, 9.3878,
4.0732

■ 17.6269, 18.5648,
20.3286

■ 10.0881, 8.3632,
2.7839

■ 19.2781, 20.6423,
24.6552

■ 9.5173, 7.4688,
1.8317

■ 21.0874, 22.8875,
29.4923

■ 9.0521, 6.6984,
1.1832

■ 23.0590, 25.3041,
34.8560

■ 8.6698, 6.0398,
0.7289

■ 25.1971, 27.8959,
40.7617

■ 8.6488, 6.0040,
0.7030

■ 27.5056, 30.6663,
47.2240

■ 29.9884, 33.6189,
54.2571

Harmonies

Analogous

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



14.3283, 13.2974, 11.8609



13.5757, 13.2974, 10.2386



12.6038, 13.2974, 9.7121

Triad

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



13.5757, 13.2974, 10.2386



10.8413, 13.2974, 14.5793



13.6395, 13.2974, 19.6290

Complementary

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



13.5757, 13.2974, 10.2386



12.0374, 13.3195, 19.3894

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.



12.6739, 13.2974, 20.5943



13.5757, 13.2974, 10.2386



11.0876, 13.2974, 17.4556

Square

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



13.5757, 13.2974, 10.2386



11.0555, 13.2974, 12.0138



11.7460, 13.2974, 19.7523



14.3664, 13.2974, 17.2593

Rectangle

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



13.5757, 13.2974, 10.2386



11.9715, 13.2974, 9.9912



11.7460, 13.2974, 19.7523



13.3304, 13.2974, 20.1413

Sweetspot

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



13.5760, 13.2980, 10.2389



28.9294, 29.8771, 29.6567



13.3280, 11.2827, 14.8401



6.7830, 6.9864, 6.8442



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.



13.5760, 13.2980, 10.2389



23.0467, 22.1030, 15.3912



15.3961, 16.9380, 10.8455



3.7931, 3.9191, 3.8988



9.1798, 6.3608, 0.7439



43.9435, 29.4155, 3.3617

Inverse Universe

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



12.0374, 13.3195, 19.3894



19.8348, 22.1445, 34.4820



10.4349, 10.1145, 18.8553



3.6662, 3.9211, 4.6539



5.9487, 6.2371, 19.4329



28.1337, 28.6839, 94.4140

Previews

White Background



This preview shows how the XYZ color 13.5757, 13.2974, 10.2386 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 13.5757, 13.2974, 10.2386 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 13.5757, 13.2974, 10.2386

Background



This preview shows how black text looks on a background with the XYZ color 13.5757, 13.2974, 10.2386.



This preview shows how white text looks on a background with the XYZ color 13.5757, 13.2974,

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

13.5757, 13.2974, 10.2386

Protanopia

12.6154, 13.3628, 10.7185

Deuteranopia

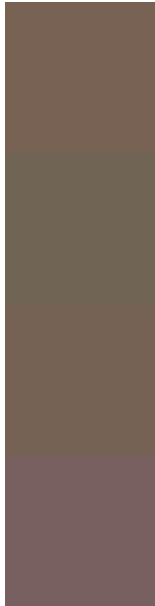
13.4391, 13.2270, 10.2323



Tritanopia

14.4255, 13.2286, 14.6250

Trichromacy



Original Color

13.5757, 13.2974, 10.2386

Protanomaly

12.9755, 13.4080, 10.4984

Deuteranomaly

13.4391, 13.2270, 10.2323

Tritanomaly

14.0399, 13.2033, 12.8748

Monochromacy



Original Color

13.5757, 13.2974, 10.2386

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0717, 13.4031, 12.9644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5757, 13.2974, 10.2386 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(119, 98, 84)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 84)  
}
```

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(119, 98, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.5757, 13.2974, 10.2386 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(119, 98, 84) }
```


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

```
.border{ border-color:rgb(119, 98, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 84);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5757, 13.2974, 10.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 84) }
```

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

```
.background{ background-color: rgb(119, 98,  
84) }
```

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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