

Converting Colors

XYZ(13.5437, 12.4996, 10.1803)

Have a look what the booklet for
XYZ(13.5437, 12.4996, 10.1803)
contains.

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Color

**XYZ(13.4534, 12.4320,
10.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5C54
RGB	122, 92, 84
RGB Percent	48%, 36%, 33%
CMY	0.5216, 0.6392, 0.6706
CMYK	0.00, 0.25, 0.31, 0.52
HSL	13°, 18%, 40%
HSV	13°, 31%, 48%
XYZ	13.4534, 12.4320, 10.0780
YIQ	100.0580, 20.4480, 3.8720

Conversions

Conversions Part 2

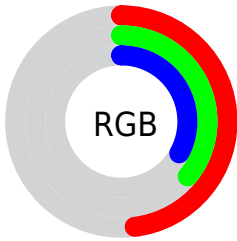
Format	Color
R_YB	122, 94, 84
Decimal	8019028
CIE Lab	41.89, 11.03, 9.35
CIE LCh	42, 14.459, 40.284
Yxy	12.4320, 0.3741, 0.3457
Android (android.graphics.Color)	4286209108 (0xFF7A5C54)
YUV	100.0580, -7.9166, 19.2431
Hunter-Lab	35.2590, 6.4049, 7.7346

Details

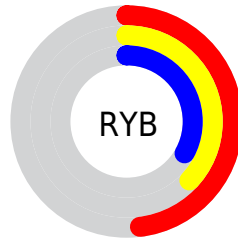
The XYZ color **13.4534, 12.4320, 10.0780** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.1860, 15.3239, 20.6751**, and the grayscale version is **12.1441, 12.7766, 13.9137**.

A 20% lighter version of the original color is **31.6553, 30.1812, 26.7114**, and **4.0157, 3.4782, 2.3792** is the 20% darker color. If you saturate the color by 10%, you get **12.2347, 10.6939, 7.5161**, and if you desaturate by 10%, it is **14.8621, 14.4168, 13.1142**.

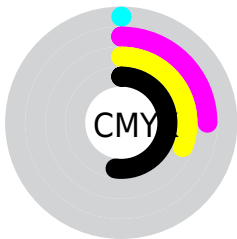
Distribution



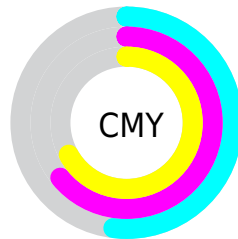
- Red (48%)
- Green (36%)
- Blue (33%)



- Red (48%)
- Yellow (37%)
- Blue (33%)



- Cyan (0%)
- Magenta (25%)
- Yellow (31%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4534, 12.4320, 10.0780 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 13.4534, 12.4320, 10.0780 by changing the saturation by 10% instead.

■ 13.4534, 12.4320,
10.0780

■ 13.4534, 12.4320,
10.0780

207.3828,
207.2446, 201.7329

■ 7.8206, 7.0386,
5.3444

■ 31.7104, 30.2795,
26.5522

■ 4.0312, 3.4863,
2.3885

■ 45.0654, 43.5024,
39.1299

■ 1.7198, 1.3906,
0.7802

■ 61.7251, 60.1039,
55.1594

■ 0.4686, 0.2097,
0.0000

■ 82.0549, 80.4684,
75.0593

■ 0.0000, 0.0000,
0.0000

■ 106.4203,
104.9804, 99.2480

135.1864,

134.0241, 128.1442

168.7188,
167.9841, 162.1663

■ 13.4534, 12.4320,
10.0780

■ 13.4534, 12.4320,
10.0780

■ 12.2347, 10.6939,
7.5161

■ 14.8621, 14.4168,
13.1142

■ 11.1968, 9.1909,
5.4037

■ 16.4675, 16.6555,
16.6463

■ 10.3309, 7.9135,
3.7148

■ 18.2774, 19.1575,
20.6954

■ 9.6275, 6.8504,
2.4206

■ 20.2986, 21.9310,
25.2813

■ 9.0758, 5.9897,
1.4884

■ 22.5378, 24.9838,
30.4227

■ 8.6636, 5.3180,
0.8804

■ 25.0013, 28.3234,
36.1373

■ 8.3887, 4.8629,
0.4965

■ 27.6951, 31.9573,
42.4422

■ 30.6251, 35.8922,
49.3535

■ 33.7969, 40.1351,
56.8870

Harmonies

Analogous

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



13.9546, 12.4320, 12.5131



13.4534, 12.4320, 10.0780



12.5228, 12.4320, 8.7195

Triad

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



13.4534, 12.4320, 10.0780



9.9862, 12.4320, 11.6472



12.1867, 12.4320, 20.1884

Complementary

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



13.4534, 12.4320, 10.0780



13.1860, 15.3239, 20.6751

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.



11.1368, 12.4320, 19.8634



13.4534, 12.4320, 10.0780



9.9083, 12.4320, 14.6139

Square

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



13.4534, 12.4320, 10.0780



10.5373, 12.4320, 9.5265



10.3176, 12.4320, 17.7071



13.1947, 12.4320, 18.5379

Rectangle

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



13.4534, 12.4320, 10.0780



11.8061, 12.4320, 8.4649



10.3176, 12.4320, 17.7071



11.8264, 12.4320, 20.3119

Sweetspot

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



13.4537, 12.4326, 10.0783



29.5576, 30.1153, 30.5889



14.2565, 11.7023, 17.5466



6.6747, 6.7699, 6.8081



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.



13.4537, 12.4326, 10.0783



22.1870, 19.7631, 14.6014



15.2672, 16.0595, 10.6827



4.0604, 4.1393, 4.2094



8.8266, 5.1091, 0.5209



41.5889, 23.3412, 2.3133

Inverse Universe

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



13.1860, 15.3239, 20.6751



21.6369, 25.6488, 36.2032



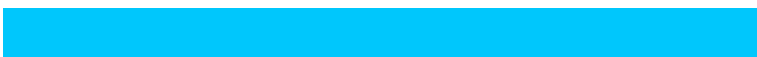
11.2974, 11.5467, 20.0456



4.0388, 4.3760, 5.0750



8.1257, 10.3339, 20.9517



38.1303, 48.0332, 99.7315

Previews

White Background



This preview shows how the XYZ color 13.4534, 12.4320, 10.0780 looks on a white background.

Color Contrast Check

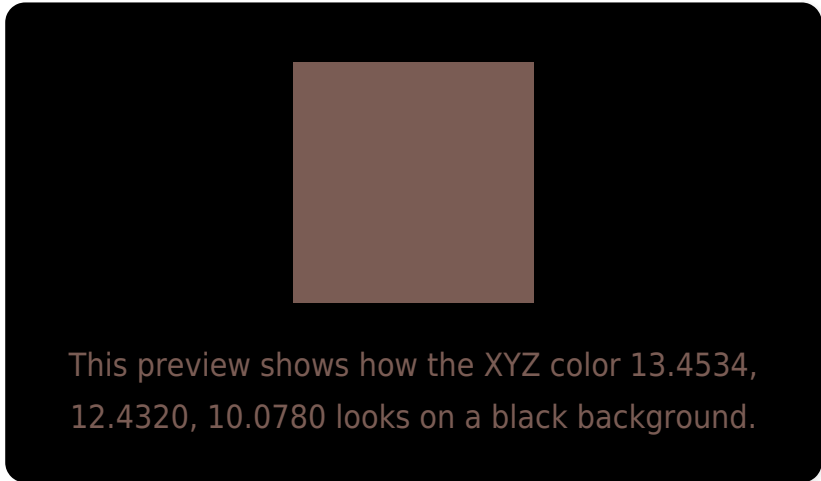
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.4534, 12.4320, 10.0780

Background



This preview shows how black text looks on a background with the XYZ color 13.4534, 12.4320, 10.0780.



This preview shows how white text looks on a background with the XYZ color 13.4534, 12.4320,

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

13.4534, 12.4320, 10.0780

Protanopia

11.8911, 12.5549, 10.8134

Deuteranopia

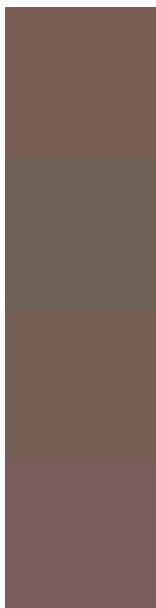
12.5930, 12.3864, 9.9107



Tritanopia

13.9822, 12.3863, 12.9631

Trichromacy



Original Color

13.4534, 12.4320, 10.0780

Protanomaly

12.4181, 12.4171, 10.5463

Deuteranomaly

12.9002, 12.4118, 9.8994

Tritanomaly

13.8412, 12.4658, 11.8018

Monochromacy



Original Color

13.4534, 12.4320, 10.0780

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4794, 12.5457, 12.3535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4534, 12.4320, 10.0780 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(122, 92, 84)` looks like.

```
.text, #text, p{  
  color:rgb(122, 92, 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(122, 92, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 92, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.4534, 12.4320, 10.0780 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(122, 92, 84) }
```


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

```
.border{ border-color:rgb(122, 92, 84) }
```

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

Here you see how a box with a 4 pixel rgb(122, 92, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 92, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 92, 84);  
box-shadow:4px 4px 4px 4px rgb(122, 92,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4534, 12.4320, 10.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 92, 84) }
```

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

```
.background{ background-color: rgb(122, 92,  
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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