

Converting Colors

XYZ(13.4163, 12.6031, 10.3741)

Have a look what the booklet for
XYZ(13.4163, 12.6031, 10.3741)
contains.

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Color

**XYZ(13.3881, 12.6544,
10.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	785E55
RGB	120, 94, 85
RGB Percent	47%, 37%, 33%
CMY	0.5294, 0.6314, 0.6667
CMYK	0.00, 0.22, 0.29, 0.53
HSL	15°, 17%, 40%
HSV	15°, 29%, 47%
XYZ	13.3881, 12.6544, 10.3312
YIQ	100.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

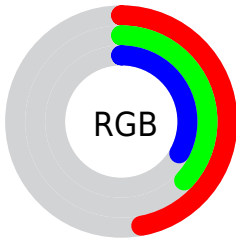
Format	Color
R_{YB}	120, 97, 85
Decimal	7888469
CIE Lab	42.24, 9.13, 9.19
CIE LCh	42, 12.953, 45.190
Yxy	12.6544, 0.3681, 0.3479
Android (android.graphics.Color)	4286078549 (0xFF785E55)
YUV	100.7480, -7.7638, 16.8840
Hunter-Lab	35.5730, 4.9267, 7.6820

Details

The XYZ color **13.3881, 12.6544, 10.3312** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8206, 14.6555, 19.9223**, and the grayscale version is **12.3210, 12.9627, 14.1164**.

A 20% lighter version of the original color is **31.5800, 30.5800, 27.1598**, and **4.0385, 3.6067, 2.4908** is the 20% darker color. If you saturate the color by 10%, you get **12.2039, 10.9853, 7.7806**, and if you desaturate by 10%, it is **14.7454, 14.5401, 13.3387**.

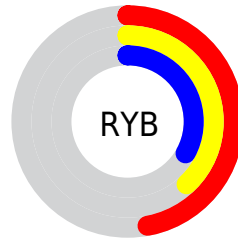
Distribution



Red (47%)

Green (37%)

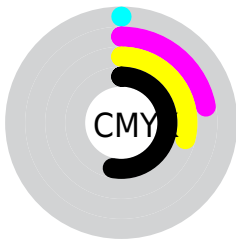
Blue (33%)



Red (47%)

Yellow (38%)

Blue (33%)

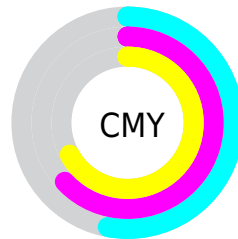


Cyan (0%)

Magenta (22%)

Yellow (29%)

Black (53%)



Cyan (53%)

Magenta (63%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3881, 12.6544, 10.3312 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 13.3881, 12.6544, 10.3312 by changing the saturation by 10% instead.

■ 13.3881, 12.6544,
10.3312

■ 13.3881, 12.6544,
10.3312

206.9779,
208.6907, 203.5898

■ 7.7752, 7.1910,
5.5106

■ 31.5947, 30.6815,
27.0341

■ 4.0020, 3.5818,
2.4859

■ 44.9191, 44.0140,
39.7535

■ 1.7033, 1.4425,
0.8327

■ 61.5447, 60.7383,
55.9430

■ 0.4583, 0.2477,
0.0000

■ 81.8368, 81.2388,
76.0210

■ 0.0000, 0.0000,
0.0000

■ 106.1608,
105.8999, 100.4062

134.8821,

135.1060, 129.5170

168.3660,
169.2415, 163.7720

■ 13.3881, 12.6544,
10.3312

■ 13.3881, 12.6544,
10.3312

■ 12.2039, 10.9853,
7.7806

■ 14.7454, 14.5401,
13.3387

■ 11.1847, 9.5233,
5.6637

■ 16.2815, 16.6480,
16.8234

■ 10.3230, 8.2606,
3.9562

■ 18.0031, 18.9859,
20.8051

■ 9.6104, 7.1883,
2.6313

■ 19.9163, 21.5605,
25.3024

■ 9.0379, 6.2967,
1.6588

■ 22.0270, 24.3782,
30.3328

■ 8.5949, 5.5753,
1.0039

■ 24.3405, 27.4452,
35.9131

■ 8.2573, 5.0075,
0.5601

■ 26.8621, 30.7676,
42.0593

■ 8.2322, 4.9662,
0.5247

■ 29.5971, 34.3511,
48.7868

■ 32.5504, 38.2013,
56.1103

Harmonies

Analogous

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



13.9154, 12.6544, 12.4280



13.3881, 12.6544, 10.3312



12.5099, 12.6544, 9.2396

Triad

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



13.3881, 12.6544, 10.3312



10.3159, 12.6544, 12.4599



12.5221, 12.6544, 19.5917

Complementary

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



13.3881, 12.6544, 10.3312



12.8206, 14.6555, 19.9223

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.



11.5579, 12.6544, 19.6032



13.3881, 12.6544, 10.3312



10.3188, 12.6544, 15.2234

Square

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



13.3881, 12.6544, 10.3312



10.7545, 12.6544, 10.3518



10.7626, 12.6544, 17.9182



13.3975, 12.6544, 17.8885

Rectangle

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



13.3881, 12.6544, 10.3312



11.8600, 12.6544, 9.1211



10.7626, 12.6544, 17.9182



12.1968, 12.6544, 19.8003

Sweetspot

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



13.3884, 12.6550, 10.3315



28.6208, 29.2598, 29.5538



13.8773, 11.6434, 16.6272



6.7011, 6.8227, 6.8169



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.



13.3884, 12.6550, 10.3315



22.1211, 20.2518, 15.0826



15.0972, 16.0724, 10.9010



4.0744, 4.1672, 4.2141



8.9705, 5.3969, 0.5689



42.1949, 24.5532, 2.5153

Inverse Universe

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



12.8206, 14.6555, 19.9223



20.9471, 24.3690, 34.8527



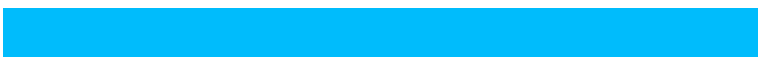
11.1171, 11.2485, 19.3545



4.0240, 4.3462, 5.0700



7.5960, 9.2745, 20.7751



35.5210, 42.8147, 98.8617

Previews

White Background



This preview shows how the XYZ color 13.3881, 12.6544, 10.3312 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 13.3881, 12.6544, 10.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

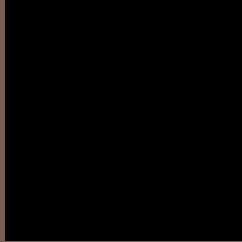
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3881, 12.6544, 10.3312

Background



This preview shows how black text looks on a background with the XYZ color 13.3881, 12.6544, 10.3312.



This preview shows how white text looks on a background with the XYZ color 13.3881, 12.6544,

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

13.3881, 12.6544, 10.3312

Protanopia

12.0275, 12.7620, 11.0619

Deuteranopia

12.8928, 12.6665, 10.3597



Tritanopia

14.1053, 12.6927, 13.5109

Trichromacy



Original Color

13.3881, 12.6544, 10.3312

Protanomaly

12.5184, 12.7385, 10.8158

Deuteranomaly

13.0680, 12.6222, 10.3419

Tritanomaly

13.8199, 12.7018, 12.3130

Monochromacy



Original Color

13.3881, 12.6544, 10.3312

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6176, 12.7497, 12.6224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3881, 12.6544, 10.3312 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(120, 94, 85)` looks like.

```
.text, #text, p{  
    color:rgb(120, 94, 85)  
}
```

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(120, 94, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 94, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.3881, 12.6544, 10.3312 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(120, 94, 85) }
```


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

```
.border{ border-color:rgb(120, 94, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 94, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 94, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 94, 85);  
box-shadow:4px 4px 4px 4px rgb(120, 94,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3881, 12.6544, 10.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 94, 85) }
```

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

```
.background{ background-color: rgb(120, 94,  
85) }
```

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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