

Converting Colors

XYZ(12.7675, 12.3081, 10.7975)

Have a look what the booklet for
XYZ(12.7675, 12.3081, 10.7975)
contains.

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Color

**XYZ(12.7932, 12.3384,
10.7241)**

Conversions

Conversions Part 1

Format	Color
Hex	735E57
RGB	115, 94, 87
RGB Percent	45%, 37%, 34%
CMY	0.5490, 0.6314, 0.6588
CMYK	0.00, 0.18, 0.24, 0.55
HSL	15°, 14%, 40%
HSV	15°, 24%, 45%
XYZ	12.7932, 12.3384, 10.7241
YIQ	99.4810, 14.7630, 2.2750

Conversions

Conversions Part 2

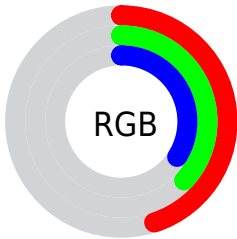
Format	Color
R_{YB}	115, 96, 87
Decimal	7560791
CIE _{Lab}	41.75, 7.32, 7.20
CIE _{LCh}	42, 10.273, 44.529
Yxy	12.3384, 0.3568, 0.3441
Android (android.graphics.Color)	4285750871 (0xFF735E57)
YUV	99.4810, -6.1531, 13.6102
Hunter-Lab	35.1261, 3.5406, 6.4868

Details

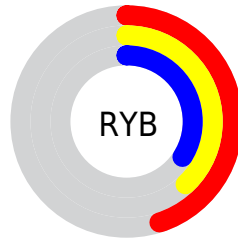
The XYZ color **12.7932, 12.3384, 10.7241** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3873, 13.9886, 18.2668**, and the grayscale version is **11.9940, 12.6186, 13.7417**.

A 20% lighter version of the original color is **30.4250, 29.9682, 27.8478**, and **3.7216, 3.4393, 2.6582** is the 20% darker color. If you saturate the color by 10%, you get **11.6359, 10.7166, 8.2021**, and if you desaturate by 10%, it is **14.1118, 14.1626, 13.6695**.

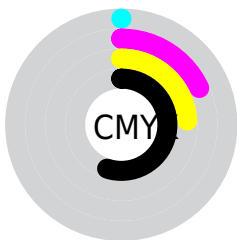
Distribution



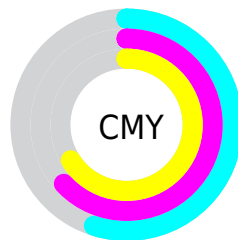
- Red (45%)
- Green (37%)
- Blue (34%)



- Red (45%)
- Yellow (38%)
- Blue (34%)



- Cyan (0%)
- Magenta (18%)
- Yellow (24%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7932, 12.3384, 10.7241 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 12.7932, 12.3384, 10.7241 by changing the saturation by 10% instead.

■ 12.7932, 12.3384,
10.7241

■ 12.7932, 12.3384,
10.7241

203.2525,
206.6329, 206.4338

■ 7.3623, 6.9746,
5.7698

■ 30.5362, 30.1099,
27.7777

■ 3.7380, 3.4462,
2.6391

■ 43.5791, 43.2865,
40.7140

■ 1.5550, 1.3689,
0.9125

■ 59.8900, 59.8360,
57.1481

■ 0.3628, 0.1936,
0.0000

■ 79.8343, 80.1430,
77.4985

■ 0.0000, 0.0000,
0.0000

■ 103.7774,
104.5917, 102.1837

132.0845,

133.5667, 131.6223

165.1211,
167.4523, 166.2328

■ 12.7932, 12.3384,
10.7241

■ 12.7932, 12.3384,
10.7241

■ 11.6359, 10.7166,
8.2021

■ 14.1118, 14.1626,
13.6695

■ 10.6325, 9.2886,
6.0831

■ 15.5966, 16.1944,
17.0558

■ 9.7765, 8.0475,
4.3463

■ 17.2536, 18.4405,
20.9006

■ 9.0607, 6.9854,
2.9687

■ 19.0882, 20.9070,
25.2199

■ 8.4770, 6.0936,
1.9245

■ 21.1057, 23.5999,
30.0295

■ 8.0166, 5.3630,
1.1849

■ 23.3108, 26.5247,
35.3439

■ 7.6675, 4.7825,
0.7057

■ 25.7084, 29.6869,
41.1775

■ 7.5037, 4.5119,
0.4754

■ 28.3030, 33.0917,
47.5437

■ 31.0991, 36.7441,
54.4557

Harmonies

Analogous

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



13.1898, 12.3384, 12.4180



12.7932, 12.3384, 10.7241



12.1189, 12.3384, 9.8119

Triad

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



12.7932, 12.3384, 10.7241



10.3828, 12.3384, 12.3553



12.0953, 12.3384, 17.8755

Complementary

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



12.7932, 12.3384, 10.7241



12.3873, 13.9886, 18.2668

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.



11.3442, 12.3384, 17.8540



12.7932, 12.3384, 10.7241



10.3771, 12.3384, 14.5049

Square

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



12.7932, 12.3384, 10.7241



10.7382, 12.3384, 10.6825



10.7223, 12.3384, 16.5668



12.7753, 12.3384, 16.6225

Rectangle

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



12.7932, 12.3384, 10.7241



11.6130, 12.3384, 9.7006



10.7223, 12.3384, 16.5668



11.8423, 12.3384, 18.0210

Sweetspot

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



12.7935, 12.3390, 10.7244



27.1437, 27.9287, 28.7396



13.1852, 11.5440, 15.7206



6.4495, 6.6273, 6.7967



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.



12.7935, 12.3390, 10.7244



21.7519, 20.4783, 16.6664



14.1531, 15.0581, 11.1775



3.7515, 3.8361, 3.8850



8.5627, 5.1267, 0.5382



41.1385, 23.8055, 2.4267

Inverse Universe

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



12.3873, 13.9886, 18.2668



20.8938, 23.9525, 32.5666



11.0278, 11.2696, 17.8136



3.7095, 4.0076, 4.6683



7.3464, 9.0326, 19.8988



35.0948, 42.6061, 96.7344

Previews

White Background



This preview shows how the XYZ color 12.7932, 12.3384, 10.7241 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 12.7932, 12.3384, 10.7241 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 12.7932, 12.3384, 10.7241

Background



This preview shows how black text looks on a background with the XYZ color 12.7932, 12.3384, 10.7241.



This preview shows how white text looks on a background with the XYZ color 12.7932, 12.3384,

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

12.7932, 12.3384, 10.7241

Protanopia

11.7644, 12.3402, 11.2130

Deuteranopia

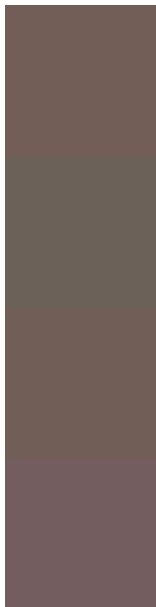
12.4946, 12.3173, 10.7358



Tritanopia

13.2817, 12.2681, 13.4723

Trichromacy



Original Color

12.7932, 12.3384, 10.7241

Protanomaly

12.0996, 12.3798, 10.9843

Deuteranomaly

12.6226, 12.3832, 10.7417

Tritanomaly

13.1824, 12.3679, 12.5189

Monochromacy



Original Color

12.7932, 12.3384, 10.7241

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1660, 12.3789, 12.5746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7932, 12.3384, 10.7241 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(115, 94, 87)` looks like.

```
.text, #text, p{  
    color:rgb(115, 94, 87)  
}
```

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(115, 94, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 94, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.7932, 12.3384, 10.7241 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(115, 94, 87) }
```


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

```
.border{ border-color:rgb(115, 94, 87) }
```

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

Here you see how a box with a 4 pixel rgb(115, 94, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 94, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 94, 87);  
box-shadow:4px 4px 4px 4px rgb(115, 94,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7932, 12.3384, 10.7241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 94, 87) }
```

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

```
.background{ background-color: rgb(115, 94,  
87) }
```

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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