

Converting Colors

XYZ(15.4942, 16.0623, 13.3806)

Have a look what the booklet for
XYZ(15.4942, 16.0623, 13.3806)
contains.

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Color

**XYZ(15.4330, 15.9895,
13.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	786E60
RGB	120, 110, 96
RGB Percent	47%, 43%, 38%
CMY	0.5294, 0.5686, 0.6235
CMYK	0.00, 0.08, 0.20, 0.53
HSL	35°, 11%, 42%
HSV	35°, 20%, 47%
XYZ	15.4330, 15.9895, 13.3392
YIQ	111.3940, 10.4540, -2.2340

Conversions

Conversions Part 2

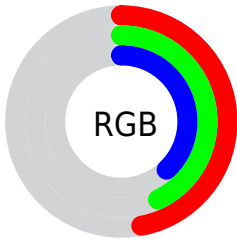
Format	Color
R_{YB}	113, 120, 96
Decimal	7892576
CIE Lab	46.96, 1.39, 9.22
CIE LCh	47, 9.326, 81.402
Yxy	15.9895, 0.3448, 0.3572
Android (android.graphics.Color)	4286082656 (0xFF786E60)
YUV	111.3940, -7.5892, 7.5475
Hunter-Lab	39.9869, -1.0847, 8.2123

Details

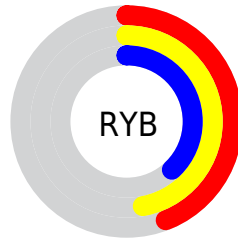
The XYZ color **15.4330, 15.9895, 13.3392** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3680, 14.1506, 19.7962**, and the grayscale version is **15.2436, 16.0375, 17.4648**.

A 20% lighter version of the original color is **35.2000, 36.7179, 32.8358**, and **4.9518, 5.1249, 3.7458** is the 20% darker color. If you saturate the color by 10%, you get **14.3981, 14.7373, 10.4734**, and if you desaturate by 10%, it is **16.5836, 17.3377, 16.6601**.

Distribution



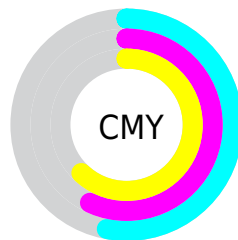
- Red (47%)
- Green (43%)
- Blue (38%)



- Red (44%)
- Yellow (47%)
- Blue (38%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4330, 15.9895, 13.3392 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 15.4330, 15.9895, 13.3392 by changing the saturation by 10% instead.

■ 15.4330, 15.9895,
13.3392

■ 15.4330, 15.9895,
13.3392

219.3091,
229.2798, 224.3639

■ 9.2121, 9.5167,
7.5291

■ 35.1765, 36.5800,
32.6119

■ 4.9380, 5.0797,
3.7117

■ 49.4298, 51.4665,
46.9116

■ 2.2453, 2.2941,
1.4686

■ 67.0913, 69.9263,
64.8782

■ 0.7665, 0.7706,
0.1943

■ 88.5263, 92.3439,
86.9302

■ 0.0000, 0.0000,
0.0000

114.1003,
119.1037, 113.4863

144.1785,

150.5900, 144.9649

179.1263,
187.1872, 181.7846

■ 15.4330, 15.9895,
13.3392

■ 15.4330, 15.9895,
13.3392

■ 14.3981, 14.7373,
10.4734

■ 16.5836, 17.3377,
16.6601

■ 13.4733, 13.5765,
8.0414

■ 17.8525, 18.7823,
20.4540

■ 12.6543, 12.5051,
6.0218

■ 19.2442, 20.3261,
24.7392

■ 11.9362, 11.5203,
4.3909

■ 20.7622, 21.9714,
29.5326

■ 11.3135, 10.6191,
3.1225

■ 22.4101, 23.7204,
34.8503

■ 10.7802, 9.7980,
2.1872

■ 24.1911, 25.5750,
40.7078

■ 10.3291, 9.0535,
1.5510

■ 26.1086, 27.5373,
47.1198

■ 9.9368, 8.3752,
1.0929

■ 28.1655, 29.6092,
54.1005

■ 9.9368, 8.3752,
1.0928

■ 30.3649, 31.7925,
61.6637

Harmonies

Analogous

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



16.1961, 15.9895, 14.1330



15.4330, 15.9895, 13.3392



14.6329, 15.9895, 13.5572

Triad

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



15.4330, 15.9895, 13.3392



13.7849, 15.9895, 19.0992



16.4553, 15.9895, 20.3620

Complementary

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



15.4330, 15.9895, 13.3392



13.3680, 14.1506, 19.7962

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.



15.7765, 15.9895, 21.9309



15.4330, 15.9895, 13.3392



14.2409, 15.9895, 21.1576

Square

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



15.4330, 15.9895, 13.3392



13.7004, 15.9895, 16.7475



14.9645, 15.9895, 22.2343



16.8000, 15.9895, 18.0894

Rectangle

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



15.4330, 15.9895, 13.3392



14.1847, 15.9895, 14.2562



14.9645, 15.9895, 22.2343



16.2575, 15.9895, 20.9973

Sweetspot

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



15.4334, 15.9902, 13.3395



30.0021, 31.4522, 31.7723



14.5303, 13.3996, 15.4564



7.0845, 7.4245, 7.4532



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.



15.4334, 15.9902, 13.3395



26.2843, 27.0923, 21.0515



16.2991, 18.1292, 13.7068



4.1744, 4.3672, 4.2474



10.8262, 9.1084, 1.1875



50.7871, 41.7377, 5.3794

Inverse Universe

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



13.3680, 14.1506, 19.7962



21.9567, 23.2382, 34.5813



12.6102, 12.3187, 19.4825



3.9221, 4.1424, 5.0360



4.9286, 3.9397, 19.8860



22.7099, 17.1923, 94.5913

Previews

White Background



This preview shows how the XYZ color 15.4330, 15.9895, 13.3392 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 15.4330, 15.9895, 13.3392 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

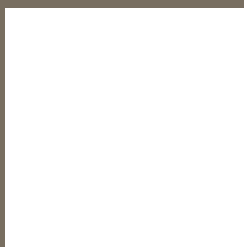
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4330, 15.9895, 13.3392

Background



This preview shows how black text looks on a background with the XYZ color 15.4330, 15.9895, 13.3392.

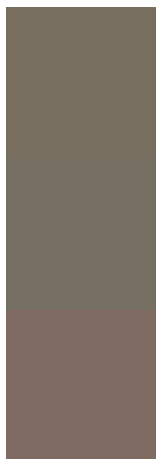


This preview shows how white text looks on a background with the XYZ color 15.4330, 15.9895,

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

15.4330, 15.9895, 13.3392

Protanopia

15.1782, 16.0139, 13.6003

Deuteranopia

16.1678, 15.8905, 13.5243



Tritanopia

16.4361, 15.9139, 18.7284

Trichromacy



Original Color

15.4330, 15.9895, 13.3392

Protanomaly

15.3133, 16.0835, 13.6066

Deuteranomaly

15.8324, 15.8733, 13.5387

Tritanomaly

16.0080, 15.8942, 16.6922

Monochromacy



Original Color

15.4330, 15.9895, 13.3392

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2254, 15.9869, 15.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4330, 15.9895, 13.3392 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, 110, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 96)  
}
```

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, 110, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 96) }
```

Border

The CSS property to change the border of an element to XYZ 15.4330, 15.9895, 13.3392 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, 110, 96) }
```


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

```
.border{ border-color:rgb(120, 110, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4330, 15.9895, 13.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 96) }
```

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

```
.background{ background-color: rgb(120,  
110, 96) }
```

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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