

Converting Colors

XYZ(15.3410, 15.9822, 12.9575)

Have a look what the booklet for
XYZ(15.3410, 15.9822, 12.9575)
contains.

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Color

**XYZ(15.3420, 15.9531,
12.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	786E5E
RGB	120, 110, 94
RGB Percent	47%, 43%, 37%
CMY	0.5294, 0.5686, 0.6314
CMYK	0.00, 0.08, 0.22, 0.53
HSL	37°, 12%, 42%
HSV	37°, 22%, 47%
XYZ	15.3420, 15.9531, 12.8603
YIQ	111.1660, 11.0960, -2.8560

Conversions

Conversions Part 2

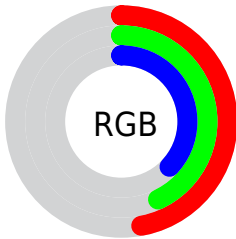
Format	Color
RYB	110, 120, 94
Decimal	7892574
CIELab	46.91, 1.06, 10.34
CIELCh	47, 10.397, 84.130
Yxy	15.9531, 0.3475, 0.3613
Android (android.graphics.Color)	4286082654 (0xFF786E5E)
YUV	111.1660, -8.4628, 7.7474
Hunter-Lab	39.9413, -1.3331, 8.8688

Details

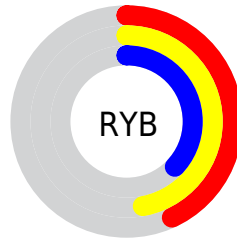
The XYZ color **15.3420, 15.9531, 12.8603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9564, 13.6359, 19.7184**, and the grayscale version is **15.1795, 15.9700, 17.3914**.

A 20% lighter version of the original color is **35.1880, 36.7385, 31.6222**, and **4.9095, 5.1080, 3.5235** is the 20% darker color. If you saturate the color by 10%, you get **14.3601, 14.7849, 10.0797**, and if you desaturate by 10%, it is **16.4345, 17.2081, 16.0912**.

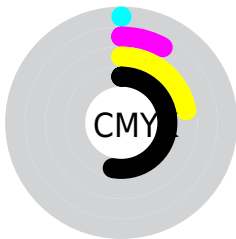
Distribution



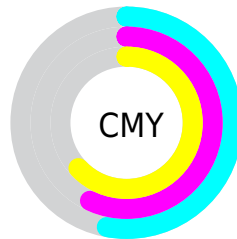
- Red (47%)
- Green (43%)
- Blue (37%)



- Red (43%)
- Yellow (47%)
- Blue (37%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3420, 15.9531, 12.8603 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 15.3420, 15.9531, 12.8603 by changing the saturation by 10% instead.

■ 15.3420, 15.9531,
12.8603

■ 15.3420, 15.9531,
12.8603

218.7746,
229.0648, 221.1967

■ 9.1476, 9.4910,
7.2028

■ 35.0188, 36.5168,
31.7401

■ 4.8955, 5.0628,
3.5089

■ 49.2319, 51.3871,
45.7995

■ 2.2202, 2.2841,
1.3600

■ 66.8487, 69.8289,
63.4966

■ 0.7534, 0.7653,
0.1102

■ 88.2345, 92.2267,
85.2499

■ 0.0000, 0.0000,
0.0000

113.7546,
118.9648, 111.4781

143.7744,

150.4276, 142.5995

178.6593,
186.9994, 179.0329

■ 15.3420, 15.9531,
12.8603

■ 15.3420, 15.9531,
12.8603

■ 14.3601, 14.7849,
10.0797

■ 16.4345, 17.2081,
16.0912

■ 13.4831, 13.6991,
7.7280

■ 17.6402, 18.5498,
19.7905

■ 12.7071, 12.6938,
5.7835

■ 18.9633, 19.9813,
23.9767

■ 12.0269, 11.7665,
4.2221

■ 20.4075, 21.5045,
28.6667

■ 11.4373, 10.9142,
3.0173

■ 21.9760, 23.1213,
33.8768

■ 10.9320, 10.1339,
2.1390

■ 23.6724, 24.8335,
39.6224

■ 10.5040, 9.4220,
1.5522

■ 25.4995, 26.6431,
45.9185

■ 10.1852, 8.8720,
1.1757

■ 27.4605, 28.5518,
52.7793

■ 29.5584, 30.5612,
60.2186

Harmonies

Analogous

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



16.2080, 15.9531, 13.6289



15.3420, 15.9531, 12.8603



14.4611, 15.9531, 13.1990

Triad

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



15.3420, 15.9531, 12.8603



13.6263, 15.9531, 19.4932



16.6206, 15.9531, 20.4643

Complementary

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



15.3420, 15.9531, 12.8603



12.9564, 13.6359, 19.7184

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.



15.8872, 15.9531, 22.3389



15.3420, 15.9531, 12.8603



14.1638, 15.9531, 21.7403

Square

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



15.3420, 15.9531, 12.8603



13.4934, 15.9531, 16.8644



14.9853, 15.9531, 22.8276



16.9648, 15.9531, 17.8860

Rectangle

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



15.3420, 15.9531, 12.8603



13.9807, 15.9531, 14.0261



14.9853, 15.9531, 22.8276



16.4100, 15.9531, 21.2076

Sweetspot

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



15.3424, 15.9538, 12.8606



30.0506, 31.5492, 31.7885



14.2676, 13.0063, 14.9621



7.0969, 7.4492, 7.4573



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.



15.3424, 15.9538, 12.8606



26.1021, 27.0195, 20.0915



16.1269, 18.0508, 13.2240



4.1844, 4.3873, 4.2508



11.0975, 9.6510, 1.2779



52.0934, 44.3503, 5.8148

Inverse Universe

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



12.9564, 13.6359, 19.7184



21.1173, 22.1778, 34.4208



12.2803, 11.8811, 19.4153



3.9123, 4.1228, 5.0328



4.7572, 3.5968, 19.8288



21.9229, 15.6184, 94.3290

Previews

White Background



This preview shows how the XYZ color 15.3420, 15.9531, 12.8603 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 15.3420, 15.9531, 12.8603 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

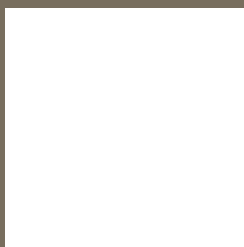
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3420, 15.9531, 12.8603

Background



This preview shows how black text looks on a background with the XYZ color 15.3420, 15.9531, 12.8603.



This preview shows how white text looks on a background with the XYZ color 15.3420, 15.9531,

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

15.3420, 15.9531, 12.8603

Protanopia

15.0409, 15.9589, 12.8773

Deuteranopia

16.2253, 15.9308, 13.0463



Tritanopia

16.5206, 15.9641, 18.4303

Trichromacy



Original Color

15.3420, 15.9531, 12.8603

Protanomaly

15.1760, 16.0286, 12.8836

Deuteranomaly

15.8856, 15.9113, 13.0604

Tritanomaly

16.0424, 15.9242, 16.1381

Monochromacy



Original Color

15.3420, 15.9531, 12.8603

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1737, 15.9662, 15.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3420, 15.9531, 12.8603 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 94) }
```

Border

The CSS property to change the border of an element to XYZ 15.3420, 15.9531, 12.8603 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, 94) }
```


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

```
.border{ border-color:rgb(120, 110, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 94);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3420, 15.9531, 12.8603 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, 94) }
```

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

```
.background{ background-color: rgb(120,  
110, 94) }
```

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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