

Converting Colors

XYZ(15.3442, 15.9506, 12.2318)

Have a look what the booklet for
XYZ(15.3442, 15.9506, 12.2318)
contains.

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Color

**XYZ(15.3494, 15.9721,
12.1715)**

Conversions

Conversions Part 1

Format	Color
Hex	796E5B
RGB	121, 110, 91
RGB Percent	47%, 43%, 36%
CMY	0.5255, 0.5686, 0.6431
CMYK	0.00, 0.09, 0.25, 0.53
HSL	38°, 14%, 42%
HSV	38°, 25%, 47%
XYZ	15.3494, 15.9721, 12.1715
YIQ	111.1230, 12.6550, -3.5770

Conversions

Conversions Part 2

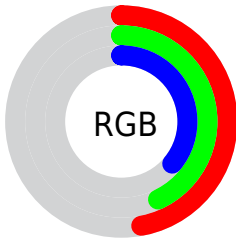
Format	Color
R_{YB}	108, 121, 91
Decimal	7958107
CIE Lab	46.94, 1.00, 12.17
CIE LCh	47, 12.211, 85.305
Yxy	15.9721, 0.3529, 0.3672
Android (android.graphics.Color)	4286148187 (0xFF796E5B)
YUV	111.1230, -9.9206, 8.6621
Hunter-Lab	39.9651, -1.3824, 9.9186

Details

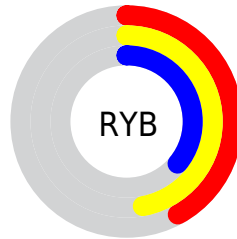
The XYZ color **15.3494, 15.9721, 12.1715** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5169, 13.1071, 19.9594**, and the grayscale version is **15.1708, 15.9608, 17.3814**.

A 20% lighter version of the original color is **35.0081, 36.4115, 30.3823**, and **4.9236, 5.1222, 3.2118** is the 20% darker color. If you saturate the color by 10%, you get **14.4024, 14.8471, 9.4850**, and if you desaturate by 10%, it is **16.4054, 17.1801, 15.3100**.

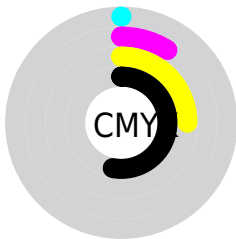
Distribution



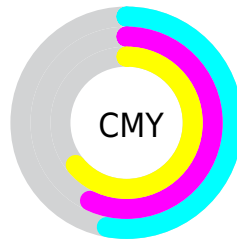
- Red (47%)
- Green (43%)
- Blue (36%)



- Red (42%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3494, 15.9721, 12.1715 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 15.3494, 15.9721, 12.1715 by changing the saturation by 10% instead.

■ 15.3494, 15.9721,
12.1715

■ 15.3494, 15.9721,
12.1715

218.8181,
229.1770, 216.5554

■ 9.1529, 9.5044,
6.7366

■ 35.0316, 36.5498,
30.4761

■ 4.8989, 5.0716,
3.2220

■ 49.2480, 51.4285,
44.1830

■ 2.2222, 2.2894,
1.2091

■ 66.8685, 69.8798,
61.4842

■ 0.7544, 0.7681,
0.0000

■ 88.2582, 92.2879,
82.7984

■ 0.0000, 0.0000,
0.0000

■ 113.7827,
119.0373, 108.5441

143.8073,

150.5123, 139.1398

178.6973,
187.0975, 175.0041

■ 15.3494, 15.9721,
12.1715

■ 15.3494, 15.9721,
12.1715

■ 14.4024, 14.8471,
9.4850

■ 16.4054, 17.1801,
15.3100

■ 13.5588, 13.8008,
7.2282

■ 17.5732, 18.4712,
18.9195

■ 12.8143, 12.8312,
5.3783

■ 18.8571, 19.8481,
23.0190

■ 12.1637, 11.9359,
3.9101

■ 20.2608, 21.3129,
27.6260

■ 11.6013, 11.1119,
2.7955

■ 21.7878, 22.8674,
32.7576

■ 11.1208, 10.3561,
2.0024

■ 23.4414, 24.5136,
38.4296

■ 10.7123, 9.6640,
1.4817

■ 25.2248, 26.2531,
44.6574

■ 10.5142, 9.3229,
1.2453

■ 27.1411, 28.0877,
51.4557

■ 29.1933, 30.0190,
58.8388

Harmonies

Analogous

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



16.3780, 15.9721, 12.9968



15.3494, 15.9721, 12.1715



14.3215, 15.9721, 12.6051

Triad

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



15.3494, 15.9721, 12.1715



13.4022, 15.9721, 20.0229



16.9296, 15.9721, 20.9512

Complementary

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



15.3494, 15.9721, 12.1715



12.5169, 13.1071, 19.9594

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.



16.0742, 15.9721, 23.2565



15.3494, 15.9721, 12.1715



14.0438, 15.9721, 22.6782

Square

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



15.3494, 15.9721, 12.1715



13.2283, 15.9721, 16.9148



15.0138, 15.9721, 23.9227



17.3170, 15.9721, 17.8758

Rectangle

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



15.3494, 15.9721, 12.1715



13.7699, 15.9721, 13.5800



15.0138, 15.9721, 23.9227



16.6853, 15.9721, 21.8554

Sweetspot

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



15.3498, 15.9728, 12.1718



30.9520, 32.5123, 32.2615



14.0247, 12.5067, 14.2454



7.0573, 7.4121, 7.3145



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.



15.3498, 15.9728, 12.1718



26.4539, 27.3849, 18.8354



16.0619, 18.2121, 12.5665



4.1900, 4.3985, 4.2527



11.2566, 9.9691, 1.3309



52.8625, 45.8884, 6.0712

Inverse Universe

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



12.5169, 13.1071, 19.9594



20.4209, 21.2835, 35.4247



11.9118, 11.2958, 19.6417



3.9068, 4.1119, 5.0309



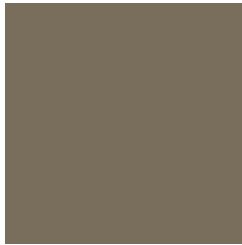
4.6679, 3.4182, 19.7990



21.5166, 14.8058, 94.1936

Previews

White Background



This preview shows how the XYZ color 15.3494, 15.9721, 12.1715 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 15.3494, 15.9721, 12.1715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

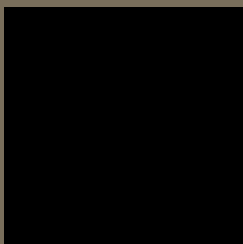
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

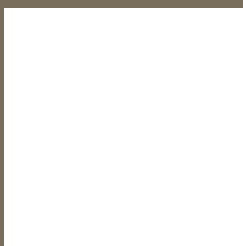
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3494, 15.9721, 12.1715

Background



This preview shows how black text looks on a background with the XYZ color 15.3494, 15.9721, 12.1715.



This preview shows how white text looks on a background with the XYZ color 15.3494, 15.9721,

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

15.3494, 15.9721, 12.1715

Protanopia

15.0874, 15.9931, 12.4170

Deuteranopia

16.2427, 15.9552, 12.3488



Tritanopia

16.6644, 16.0383, 18.4370

Trichromacy



Original Color

15.3494, 15.9721, 12.1715

Protanomaly

15.2240, 16.0635, 12.4234

Deuteranomaly

15.8985, 15.9335, 12.3627

Tritanomaly

16.1325, 15.9767, 15.8692

Monochromacy



Original Color

15.3494, 15.9721, 12.1715

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2534, 16.0132, 15.3836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3494, 15.9721, 12.1715 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(121, 110, 91)` looks like.

```
.text, #text, p{  
    color:rgb(121, 110, 91)  
}
```

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(121, 110, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 110, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.3494, 15.9721, 12.1715 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(121, 110, 91) }
```


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

```
.border{ border-color:rgb(121, 110, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 110, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 110, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 110, 91);  
box-shadow:4px 4px 4px 4px rgb(121, 110,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3494, 15.9721, 12.1715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 110, 91) }
```

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

```
.background{ background-color: rgb(121,  
110, 91) }
```

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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