

Converting Colors

XYZ(14.5777, 15.2499, 12.7701)

Have a look what the booklet for
XYZ(14.5777, 15.2499, 12.7701)
contains.

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Color

**XYZ(14.5854, 15.2463,
12.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	746C5E
RGB	116, 108, 94
RGB Percent	45%, 42%, 37%
CMY	0.5451, 0.5765, 0.6314
CMYK	0.00, 0.07, 0.19, 0.55
HSL	38°, 10%, 41%
HSV	38°, 19%, 45%
XYZ	14.5854, 15.2463, 12.7638
YIQ	108.7960, 9.2620, -2.6580

Conversions

Conversions Part 2

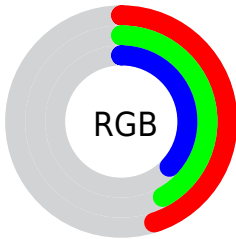
Format	Color
R_{YB}	107, 116, 94
Decimal	7629918
CIE Lab	45.97, 0.58, 8.96
CIE LCh	46, 8.981, 86.311
Yxy	15.2463, 0.3424, 0.3579
Android (android.graphics.Color)	4285819998 (0xFF746C5E)
YUV	108.7960, -7.2944, 6.3179
Hunter-Lab	39.0465, -1.6547, 7.9514

Details

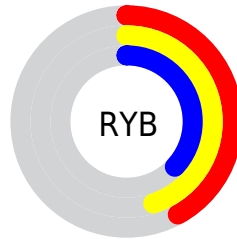
The XYZ color **14.5854, 15.2463, 12.7638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5198, 13.1431, 18.4001**, and the grayscale version is **14.4965, 15.2515, 16.6089**.

A 20% lighter version of the original color is **33.5806, 35.1347, 31.3973**, and **4.5861, 4.7798, 3.4772** is the 20% darker color. If you saturate the color by 10%, you get **13.6696, 14.1860, 10.0806**, and if you desaturate by 10%, it is **15.6018, 16.3823, 15.8669**.

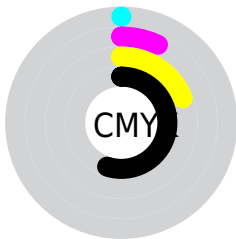
Distribution



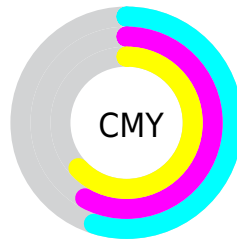
- Red (45%)
- Green (42%)
- Blue (37%)



- Red (42%)
- Yellow (45%)
- Blue (37%)



- Cyan (0%)
- Magenta (7%)
- Yellow (19%)
- Black (55%)



- Cyan (55%)
- Magenta (58%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5854, 15.2463, 12.7638 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 14.5854, 15.2463, 12.7638 by changing the saturation by 10% instead.

■ 14.5854, 15.2463,
12.7638

■ 14.5854, 15.2463,
12.7638

214.2814,
224.8522, 220.5527

■ 8.6133, 8.9924,
7.1373

■ 33.7019, 35.2847,
31.5637

■ 4.5449, 4.7362,
3.4684

■ 47.5770, 49.8380,
45.5742

■ 2.0148, 2.0934,
1.3385

■ 64.8171, 67.9266,
63.2165

■ 0.6423, 0.6609,
0.0930

■ 85.7877, 89.9348,
84.9090

■ 0.0000, 0.0000,
0.0000

110.8541,
116.2471, 111.0703

140.3816,

147.2478, 142.1190

174.7355,
183.3214, 178.4736

■ 14.5854, 15.2463,
12.7638

■ 14.5854, 15.2463,
12.7638

■ 13.6696, 14.1860,
10.0806

■ 15.6018, 16.3823,
15.8669

■ 12.8494, 13.1974,
7.7979

■ 16.7211, 17.5938,
19.4063

■ 12.1212, 12.2790,
5.8963

■ 17.9471, 18.8834,
23.3986

■ 11.4805, 11.4286,
4.3542

■ 19.2830, 20.2527,
27.8591

■ 10.9226, 10.6437,
3.1479

■ 20.7318, 21.7035,
32.8028

■ 10.4421, 9.9217,
2.2509

■ 22.2965, 23.2373,
38.2435

■ 10.0329, 9.2596,
1.6326

■ 23.9800, 24.8558,
44.1949

■ 9.6758, 8.6492,
1.1940

■ 25.7848, 26.5603,
50.6698

■ 9.6401, 8.5882,
1.1496

■ 27.7137, 28.3524,
57.6809

Harmonies

Analogous

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



15.3171, 15.2463, 13.3555



14.5854, 15.2463, 12.7638



13.8529, 15.2463, 13.1238

Triad

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



14.5854, 15.2463, 12.7638



13.2200, 15.2463, 18.5261



15.7417, 15.2463, 19.0325

Complementary

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



14.5854, 15.2463, 12.7638



12.5198, 13.1431, 18.4001

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.



15.1487, 15.2463, 20.6429



14.5854, 15.2463, 12.7638



13.6954, 15.2463, 20.3330

Square

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



14.5854, 15.2463, 12.7638



13.0809, 15.2463, 16.3327



14.3973, 15.2463, 21.1383



15.9993, 15.2463, 16.8714

Rectangle

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



14.5854, 15.2463, 12.7638



13.4597, 15.2463, 13.8737



14.3973, 15.2463, 21.1383



15.5740, 15.2463, 19.6633

Sweetspot

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



14.5858, 15.2470, 12.7641



27.9599, 29.3824, 29.5624



13.6069, 12.6793, 14.3181



6.6483, 6.9856, 6.9836



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.



14.5858, 15.2470, 12.7641



24.8741, 25.9242, 20.1691



15.0845, 16.8142, 13.0403



3.8600, 4.0530, 3.9212



10.8005, 9.6022, 1.2842



51.7966, 45.1216, 5.9794

Inverse Universe

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



12.5198, 13.1431, 18.4001



20.4982, 21.4686, 32.1080



12.0780, 11.8043, 18.1649



3.5995, 3.7877, 4.6316



4.4569, 3.2535, 18.9356



20.9673, 14.3511, 92.0252

Previews

White Background



This preview shows how the XYZ color 14.5854, 15.2463, 12.7638 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 14.5854, 15.2463, 12.7638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

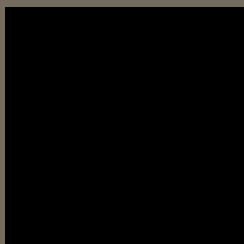
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

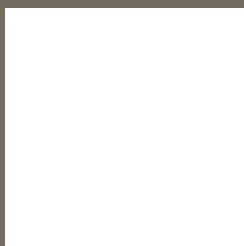
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5854, 15.2463, 12.7638

Background



This preview shows how black text looks on a background with the XYZ color 14.5854, 15.2463, 12.7638.



This preview shows how white text looks on a background with the XYZ color 14.5854, 15.2463,

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

14.5854, 15.2463, 12.7638

Protanopia

14.4284, 15.3228, 12.7868

Deuteranopia

15.5746, 15.2893, 12.9567



Tritanopia

15.6400, 15.2173, 17.7357

Trichromacy



Original Color

14.5854, 15.2463, 12.7638

Protanomaly

14.5593, 15.3903, 12.7929

Deuteranomaly

15.2456, 15.2719, 12.9707

Tritanomaly

15.2268, 15.2002, 15.7671

Monochromacy



Original Color

14.5854, 15.2463, 12.7638

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.6494, 15.3815, 15.2935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5854, 15.2463, 12.7638 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(116, 108, 94)` looks like.

```
.text, #text, p{  
    color:rgb(116, 108, 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(116, 108, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 108, 94) }
```

Border

The CSS property to change the border of an element to XYZ 14.5854, 15.2463, 12.7638 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(116, 108, 94) }
```


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

```
.border{ border-color:rgb(116, 108, 94) }
```

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

Here you see how a box with a 4 pixel rgb(116, 108, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 108, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 108, 94);  
box-shadow:4px 4px 4px 4px rgb(116, 108,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5854, 15.2463, 12.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 108, 94) }
```

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

```
.background{ background-color: rgb(116,  
108, 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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