

Converting Colors

XYZ(15.4458, 15.7922, 12.8181)

Have a look what the booklet for
XYZ(15.4458, 15.7922, 12.8181)
contains.

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Color

**XYZ(15.5151, 15.8830,
12.8377)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6D5E
RGB	122, 109, 94
RGB Percent	48%, 43%, 37%
CMY	0.5216, 0.5725, 0.6314
CMYK	0.00, 0.11, 0.23, 0.52
HSL	32°, 13%, 42%
HSV	32°, 23%, 48%
XYZ	15.5151, 15.8830, 12.8377
YIQ	111.1770, 12.5630, -1.9090

Conversions

Conversions Part 2

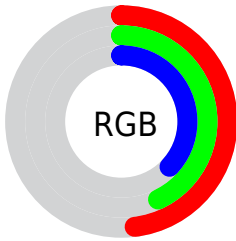
Format	Color
R_{YB}	118, 122, 94
Decimal	8023390
CIE _{Lab}	46.82, 2.48, 10.24
CIE _{LCh}	47, 10.537, 76.381
Yxy	15.8830, 0.3507, 0.3591
Android (android.graphics.Color)	4286213470 (0xFF7A6D5E)
YUV	111.1770, -8.4683, 9.4918
Hunter-Lab	39.8535, -0.2529, 8.7988

Details

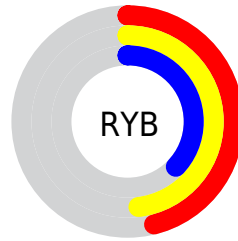
The XYZ color **15.5151, 15.8830, 12.8377** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3867, 14.3000, 20.4672**, and the grayscale version is **15.1824, 15.9731, 17.3947**.

A 20% lighter version of the original color is **35.2840, 36.2692, 31.5265**, and **5.0038, 5.0751, 3.5122** is the 20% darker color. If you saturate the color by 10%, you get **14.4257, 14.5120, 9.9838**, and if you desaturate by 10%, it is **16.7309, 17.3679, 16.1611**.

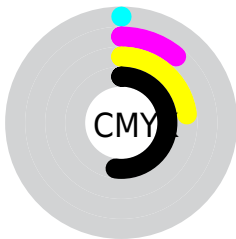
Distribution



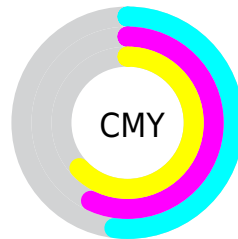
- Red (48%)
- Green (43%)
- Blue (37%)



- Red (46%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (11%)
- Yellow (23%)
- Black (52%)



- Cyan (52%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5151, 15.8830, 12.8377 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 15.5151, 15.8830, 12.8377 by changing the saturation by 10% instead.

■ 15.5151, 15.8830,
12.8377

■ 15.5151, 15.8830,
12.8377

219.7903,
228.6503, 221.0460

■ 9.2703, 9.4414,
7.1875

■ 35.3186, 36.3950,
31.6988

■ 4.9765, 5.0302,
3.4994

■ 49.6081, 51.2341,
45.7467

■ 2.2681, 2.2650,
1.3549

■ 67.3098, 69.6413,
63.4310

■ 0.7783, 0.7551,
0.1062

■ 88.7892, 92.0008,
85.1701

■ 0.0000, 0.0000,
0.0000

114.4116,
118.6970, 111.3827

144.5423,

150.1144, 142.4871

179.5468,
186.6374, 178.9021

■ 15.5151, 15.8830,
12.8377

■ 15.5151, 15.8830,
12.8377

■ 14.4257, 14.5120,
9.9838

■ 16.7309, 17.3679,
16.1611

■ 13.4565, 13.2497,
7.5767

■ 18.0762, 18.9676,
19.9732

■ 12.6030, 12.0936,
5.5936

■ 19.5559, 20.6855,
24.2933

■ 11.8594, 11.0402,
4.0088

■ 21.1738, 22.5243,
29.1394

■ 11.2198, 10.0858,
2.7943

■ 22.9338, 24.4866,
34.5286

■ 10.6773, 9.2263,
1.9179

■ 24.8398, 26.5750,
40.4772

■ 10.2236, 8.4571,
1.3405

■ 26.8951, 28.7918,
47.0009

■ 9.9376, 7.9605,
1.0128

■ 29.1033, 31.1394,
54.1146

■ 31.4676, 33.6201,
61.8329

Harmonies

Analogous

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



16.3450, 15.8830, 13.8912



15.5151, 15.8830, 12.8377



14.6047, 15.8830, 12.8894

Triad

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



15.5151, 15.8830, 12.8377



13.4678, 15.8830, 18.7568



16.4084, 15.8830, 21.0147

Complementary

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



15.5151, 15.8830, 12.8377



13.3867, 14.3000, 20.4672

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.



15.5988, 15.8830, 22.6023



15.5151, 15.8830, 12.8377



13.9129, 15.8830, 21.2112

Square

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



15.5151, 15.8830, 12.8377



13.4475, 15.8830, 16.1325



14.6851, 15.8830, 22.6777



16.8747, 15.8830, 18.5098

Rectangle

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



15.5151, 15.8830, 12.8377



14.0749, 15.8830, 13.5403



14.6851, 15.8830, 22.6777



16.1660, 15.8830, 21.6840

Sweetspot

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



15.5155, 15.8837, 12.8380



30.7744, 32.1571, 32.2023



14.6863, 13.2062, 15.7035



7.0145, 7.3265, 7.3003



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.



15.5155, 15.8837, 12.8380



26.1720, 26.5385, 19.6125



16.8746, 18.7972, 13.3288



4.1595, 4.3375, 4.2425



10.4542, 8.3642, 1.0635



49.0084, 38.1803, 4.7865

Inverse Universe

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



13.3867, 14.3000, 20.4672



21.6757, 23.1941, 35.7274



12.2282, 11.8401, 20.0534



3.9367, 4.1717, 5.0409



5.2117, 4.5058, 19.9803



24.0255, 19.8236, 95.0298

Previews

White Background



This preview shows how the XYZ color 15.5151, 15.8830, 12.8377 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 15.5151, 15.8830, 12.8377 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 15.5151, 15.8830, 12.8377

Background



This preview shows how black text looks on a background with the XYZ color 15.5151, 15.8830, 12.8377.



This preview shows how white text looks on a background with the XYZ color 15.5151, 15.8830,

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

15.5151, 15.8830, 12.8377

Protanopia

15.0861, 15.9770, 13.1152

Deuteranopia

16.1802, 15.9127, 12.8084



Tritanopia

16.6487, 15.8829, 18.1078

Trichromacy



Original Color

15.5151, 15.8830, 12.8377

Protanomaly

15.2492, 15.9000, 13.0918

Deuteranomaly

15.9871, 15.9689, 12.8294

Tritanomaly

16.2237, 15.8620, 16.1165

Monochromacy



Original Color

15.5151, 15.8830, 12.8377

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1960, 15.8166, 15.6166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5151, 15.8830, 12.8377 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(122, 109, 94)` looks like.

```
.text, #text, p{  
    color:rgb(122, 109, 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(122, 109, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 109, 94) }
```

Border

The CSS property to change the border of an element to XYZ 15.5151, 15.8830, 12.8377 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(122, 109, 94) }
```


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

```
.border{ border-color:rgb(122, 109, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 109, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 109, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 109, 94);  
box-shadow:4px 4px 4px 4px rgb(122, 109,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5151, 15.8830, 12.8377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 109, 94) }
```

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

```
.background{ background-color: rgb(122,  
109, 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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