

Converting Colors

XYZ(15.5648, 12.1171, 8.0482)

Have a look what the booklet for
XYZ(15.5648, 12.1171, 8.0482)
contains.

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Color

**XYZ(15.6063, 12.1610,
8.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	90504A
RGB	144, 80, 74
RGB Percent	56%, 31%, 29%
CMY	0.4353, 0.6863, 0.7098
CMYK	0.00, 0.44, 0.49, 0.44
HSL	5°, 32%, 43%
HSV	5°, 49%, 56%
XYZ	15.6063, 12.1610, 8.0033
YIQ	98.4520, 40.0700, 11.7020

Conversions

Conversions Part 2

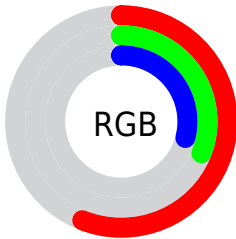
Format	Color
RYB	144, 81, 74
Decimal	9457738
CIELab	41.47, 26.07, 15.31
CIELCh	41, 30.237, 30.418
Yxy	12.1610, 0.4363, 0.3400
Android (android.graphics.Color)	4287647818 (0xFF90504A)
YUV	98.4520, -12.0548, 39.9456
Hunter-Lab	34.8726, 18.8558, 10.8037

Details

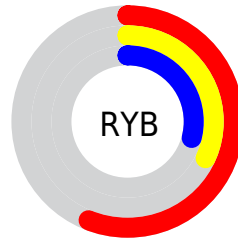
The XYZ color **15.6063, 12.1610, 8.0033** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.9461, 21.6455, 29.6704**, and the grayscale version is **11.7447, 12.3563, 13.4560**.

A 20% lighter version of the original color is **35.3772, 29.6747, 22.6021**, and **4.9946, 3.3551, 1.6126** is the 20% darker color. If you saturate the color by 10%, you get **14.3043, 10.2465, 5.4437**, and if you desaturate by 10%, it is **17.2089, 14.4989, 11.2113**.

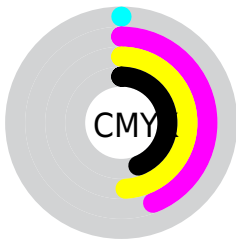
Distribution



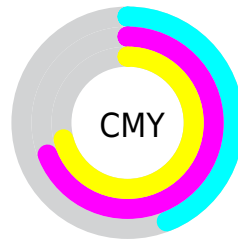
- Red (56%)
- Green (31%)
- Blue (29%)



- Red (56%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (44%)
- Yellow (49%)
- Black (44%)





- Cyan (44%)
- Magenta (69%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6063, 12.1610, 8.0033 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 15.6063, 12.1610, 8.0033 by changing the saturation by 10% instead.


 15.6063, 12.1610,
8.0033


 15.6063, 12.1610,
8.0033


220.3236,
205.4683, 185.6935


 9.3351, 6.8534,
4.0093


 35.4764, 29.7880,
22.5112


 5.0192, 3.3706,
1.6304

 49.8059, 42.8762,
33.8621


 2.2934, 1.3281,
0.3124

 67.5522, 59.3267,
48.5024

 0.7913, 0.1628,
0.0000

 89.0807, 79.5240,
66.8506

 0.0000, 0.0000,
0.0000

 114.7568,
103.8524, 89.3253

144.9457,

132.6963, 116.3450

180.0129,
166.4401, 148.3282

■ 15.6063, 12.1610,
8.0033

■ 15.6063, 12.1610,
8.0033

■ 14.3043, 10.2465,
5.4437

■ 17.2089, 14.4989,
11.2113

■ 13.2832, 8.7284,
3.4876

■ 19.1283, 17.2816,
15.1070

■ 12.5224, 7.5793,
2.0855

■ 21.3807, 20.5311,
19.7275

■ 11.9980, 6.7676,
1.1800

■ 23.9808, 24.2675,
25.1069

■ 11.6720, 6.2526,
0.6491

■ 26.9425, 28.5097,
31.2773

■ 11.6374, 6.2008,
0.5835

■ 30.2790, 33.2756,
38.2687

■ 34.0027, 38.5822,
46.1098

■ 38.1255, 44.4458,
54.8278

■ 42.6589, 50.8819,
64.4487

Harmonies

Analogous

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



16.3287, 12.1610, 13.1530



15.6063, 12.1610, 8.0033



13.7766, 12.1610, 5.2496

Triad

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



15.6063, 12.1610, 8.0033



8.2547, 12.1610, 8.1134



11.5896, 12.1610, 29.4377

Complementary

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



15.6063, 12.1610, 8.0033



16.9461, 21.6455, 29.6704

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.



9.5926, 12.1610, 26.8280



15.6063, 12.1610, 8.0033



7.8218, 12.1610, 13.3300

Square

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



15.6063, 12.1610, 8.0033



9.5454, 12.1610, 5.2975



8.2794, 12.1610, 20.3757



13.8368, 12.1610, 26.6865

Rectangle

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



15.6063, 12.1610, 8.0033



12.2776, 12.1610, 4.5244



8.2794, 12.1610, 20.3757



10.8684, 12.1610, 29.1511

Sweetspot

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



15.6066, 12.1616, 8.0035



39.1563, 38.2923, 37.7779



18.5500, 12.6667, 25.5753



8.7879, 8.5058, 8.2679



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.6066, 12.1616, 8.0035



25.1120, 17.8989, 9.3735



18.8494, 18.6473, 9.0845



5.4438, 5.4939, 5.6629



10.1424, 5.4165, 0.5109



0.1029, 0.0636, 0.0069

Inverse Universe

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



16.9461, 21.6455, 29.6704



27.7363, 36.5800, 52.1368



12.7250, 13.2032, 28.2634



5.5213, 6.0383, 6.9033



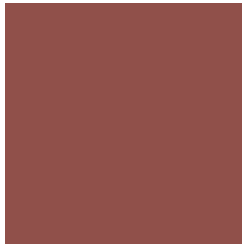
11.5362, 16.0585, 25.4687



0.1178, 0.1686, 0.2460

Previews

White Background



This preview shows how the XYZ color 15.6063, 12.1610, 8.0033 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 15.6063, 12.1610, 8.0033 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 15.6063, 12.1610, 8.0033

Background



This preview shows how black text looks on a background with the XYZ color 15.6063, 12.1610, 8.0033.



This preview shows how white text looks on a background with the XYZ color 15.6063, 12.1610,

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

15.6063, 12.1610, 8.0033

Protanopia

11.5996, 12.2876, 9.7430

Deuteranopia

12.4762, 12.2422, 7.6667



Tritanopia

16.0017, 12.1086, 9.8813

Trichromacy



Original Color

15.6063, 12.1610, 8.0033

Protanomaly

12.7601, 11.9686, 9.0348

Deuteranomaly

13.4945, 12.1247, 7.7599

Tritanomaly

15.9210, 12.1909, 9.1034

Monochromacy



Original Color

15.6063, 12.1610, 8.0033

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.6145, 11.8483, 11.0733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6063, 12.1610, 8.0033 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(144, 80, 74)` looks like.

```
.text, #text, p{  
    color:rgb(144, 80, 74)  
}
```

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(144, 80, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 80, 74) }
```

Border

The CSS property to change the border of an element to XYZ 15.6063, 12.1610, 8.0033 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(144, 80, 74) }
```


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

```
.border{ border-color:rgb(144, 80, 74) }
```

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

Here you see how a box with a 4 pixel rgb(144, 80, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 80, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 80, 74);  
box-shadow:4px 4px 4px 4px rgb(144, 80,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6063, 12.1610, 8.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 80, 74) }
```

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

```
.background{ background-color: rgb(144, 80,  
74) }
```

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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