

Converting Colors

XYZ(12.4634, 10.5863, 5.8013)

Have a look what the booklet for
XYZ(12.4634, 10.5863, 5.8013)
contains.

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Color

**XYZ(12.4634, 10.5863,
5.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	7F503D
RGB	127, 80, 61
RGB Percent	50%, 31%, 24%
CMY	0.5020, 0.6863, 0.7608
CMYK	0.00, 0.37, 0.52, 0.50
HSL	17°, 35%, 37%
HSV	17°, 52%, 50%
XYZ	12.4634, 10.5863, 5.8013
YIQ	91.8870, 34.1110, 4.0550

Conversions

Conversions Part 2

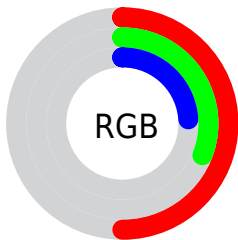
Format	Color
RYB	127, 88, 61
Decimal	8343613
CIELab	38.87, 17.49, 19.35
CIElCh	39, 26.087, 47.893
Yxy	10.5863, 0.4320, 0.3669
Android (android.graphics.Color)	4286533693 (0xFF7F503D)
YUV	91.8870, -15.2273, 30.7941
Hunter-Lab	32.5366, 11.4368, 12.2042

Details

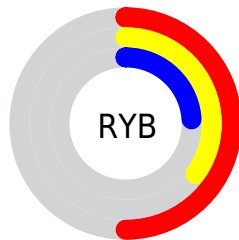
The XYZ color **12.4634, 10.5863, 5.8013** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.1175, 13.2489, 22.0500**, and the grayscale version is **10.1754, 10.7053, 11.6581**.

A 20% lighter version of the original color is **30.0344, 27.0145, 18.0993**, and **3.6119, 2.7416, 0.9111** is the 20% darker color. If you saturate the color by 10%, you get **11.5429, 9.2294, 4.0020**, and if you desaturate by 10%, it is **13.5547, 12.1550, 8.0575**.

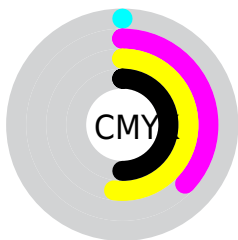
Distribution



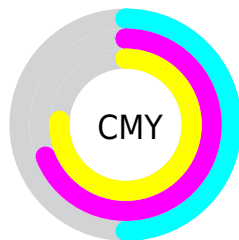
- Red (50%)
- Green (31%)
- Blue (24%)



- Red (50%)
- Yellow (35%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (52%)
- Black (50%)





- Cyan (50%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4634, 10.5863, 5.8013 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 12.4634, 10.5863, 5.8013 by changing the saturation by 10% instead.


 12.4634, 10.5863,
5.8013


 12.4634, 10.5863,
5.8013


201.1573,
194.8069, 166.5285


 7.1345, 5.7894,
2.6578


 29.9459, 26.8926,
17.9876


 3.5935, 2.7174,
0.9221

 42.8303, 39.1707,
27.8674


 1.4748, 0.9861,
0.0000

 58.9639, 54.7115,
40.8298

 0.3086, 0.0000,
0.0000

 78.7120, 73.8991,
57.2932

 0.0000, 0.0000,
0.0000

 102.4401, 97.1181,
77.6763

 130.5134,

124.7528, 102.3975

163.2974,
157.1876, 131.8754

■ 12.4634, 10.5863,
5.8013

■ 12.4634, 10.5863,
5.8013

■ 11.5429, 9.2294,
4.0020

■ 13.5547, 12.1550,
8.0575

■ 10.7829, 8.0732,
2.6272

■ 14.8244, 13.9427,
10.7988

■ 10.1734, 7.1082,
1.6412

■ 16.2810, 15.9581,
14.0517

■ 9.7027, 6.3232,
1.0020

■ 17.9317, 18.2091,
17.8407

■ 9.4006, 5.8084,
0.6257

■ 19.7838, 20.7030,
22.1885

■ 21.8437, 23.4471,
27.1168

■ 24.1180, 26.4480,
32.6460

■ 26.6127, 29.7124,
38.7954

■ 29.3336, 33.2465,
45.5835

Harmonies

Analogous

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



13.5743, 10.5863, 8.8384



12.4634, 10.5863, 5.8013



10.7765, 10.5863, 4.4916

Triad

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



12.4634, 10.5863, 5.8013



7.1452, 10.5863, 9.6404



11.1199, 10.5863, 23.1891

Complementary

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



12.4634, 10.5863, 5.8013



11.1175, 13.2489, 22.0500

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.



9.3797, 10.5863, 23.5884



12.4634, 10.5863, 5.8013



7.2147, 10.5863, 14.7113

Square

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



12.4634, 10.5863, 5.8013



7.7886, 10.5863, 6.2427



7.9907, 10.5863, 20.1461



12.7395, 10.5863, 19.1746

Rectangle

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



12.4634, 10.5863, 5.8013



9.6117, 10.5863, 4.4269



7.9907, 10.5863, 20.1461



10.5261, 10.5863, 23.7852

Sweetspot

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



12.4637, 10.5868, 5.8015



30.7634, 30.7766, 28.8334



13.1440, 8.9387, 15.3038



7.0851, 7.0453, 6.4812



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.4637, 10.5868, 5.8015



20.4474, 16.1929, 6.7483



15.4665, 16.5924, 6.8024



4.4209, 4.5304, 4.5616



9.4797, 5.8557, 0.6306



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1175, 13.2489, 22.0500



17.7358, 21.4539, 39.1625



8.2918, 7.5974, 21.1081



4.3451, 4.6842, 5.4884



7.5865, 8.9915, 21.5856



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4634, 10.5863, 5.8013 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

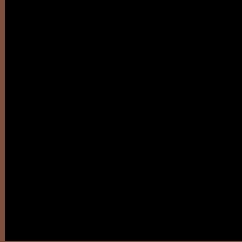
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4634, 10.5863, 5.8013

Background



This preview shows how black text looks on a background with the XYZ color 12.4634, 10.5863, 5.8013.



This preview shows how white text looks on a background with the XYZ color 12.4634, 10.5863,

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

12.4634, 10.5863, 5.8013

Protanopia

9.9561, 10.7003, 6.6949

Deuteranopia

10.8347, 10.6747, 5.6271



Tritanopia

13.2685, 10.5994, 9.5302

Trichromacy



Original Color

12.4634, 10.5863, 5.8013

Protanomaly

10.7218, 10.6008, 6.3316

Deuteranomaly

11.4002, 10.6052, 5.7211

Tritanomaly

12.8965, 10.5460, 8.0125

Monochromacy



Original Color

12.4634, 10.5863, 5.8013

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.8006, 10.5768, 9.2569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4634, 10.5863, 5.8013 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(127, 80, 61)` looks like.

```
.text, #text, p{  
    color:rgb(127, 80, 61)  
}
```

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(127, 80, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 80, 61) }
```

Border

The CSS property to change the border of an element to XYZ 12.4634, 10.5863, 5.8013 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(127, 80, 61) }
```


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

```
.border{ border-color:rgb(127, 80, 61) }
```

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

Here you see how a box with a 4 pixel rgb(127, 80, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 80, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 80, 61);  
box-shadow:4px 4px 4px 4px rgb(127, 80,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4634, 10.5863, 5.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 80, 61) }
```

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

```
.background{ background-color: rgb(127, 80,  
61) }
```

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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