

Converting Colors

XYZ(10.8859, 9.5819, 3.3171)

Have a look what the booklet for
XYZ(10.8859, 9.5819, 3.3171)
contains.

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Color

**XYZ(10.8531, 9.5950,
3.2875)**

Conversions

Conversions Part 1

Format	Color
Hex	784E28
RGB	120, 78, 40
RGB Percent	47%, 31%, 16%
CMY	0.5294, 0.6941, 0.8431
CMYK	0.00, 0.35, 0.67, 0.53
HSL	29°, 50%, 31%
HSV	29°, 67%, 47%
XYZ	10.8531, 9.5950, 3.2875
YIQ	86.2260, 37.2300, -2.9140

Conversions

Conversions Part 2

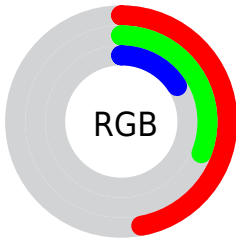
Format	Color
R_{YB}	120, 112, 40
Decimal	7884328
CIE Lab	37.11, 13.67, 29.28
CIE LCh	37, 32.317, 64.977
Yxy	9.5950, 0.4572, 0.4042
Android (android.graphics.Color)	4286074408 (0xFF784E28)
YUV	86.2260, -22.7894, 29.6198
Hunter-Lab	30.9758, 8.3340, 15.3905

Details

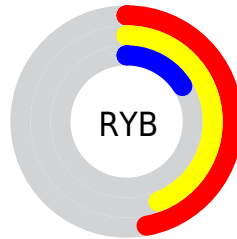
The XYZ color **10.8531, 9.5950, 3.2875** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2824, 7.8415, 18.8989**, and the grayscale version is **8.9351, 9.4004, 10.2370**.

A 20% lighter version of the original color is **26.9889, 24.9808, 12.4161**, and **2.9278, 2.3167, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **10.2535, 8.6734, 2.2324**, and if you desaturate by 10%, it is **11.5594, 10.6287, 4.6913**.

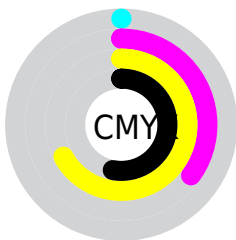
Distribution



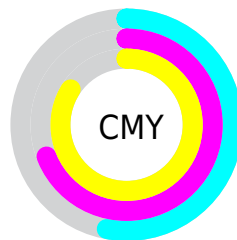
- Red (47%)
- Green (31%)
- Blue (16%)



- Red (47%)
- Yellow (44%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (67%)
- Black (53%)



- Cyan (53%)
- Magenta (69%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8531, 9.5950, 3.2875 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 10.8531, 9.5950, 3.2875 by changing the saturation by 10% instead.

■ 10.8531, 9.5950,
3.2875

■ 10.8531, 9.5950,
3.2875

190.5861,
187.7566, 139.9421

■ 6.0347, 5.1313,
1.2432

■ 27.0236, 25.0309,
12.3300

■ 2.9071, 2.3245,
0.0146

■ 39.1064, 36.7719,
20.1653

■ 1.1048, 0.7866,
0.0000

■ 54.3413, 51.7074,
30.7680

■ 0.0291, 0.0000,
0.0000

■ 73.0938, 70.2218,
44.5567

■ 0.0000, 0.0000,
0.0000

■ 95.7292, 92.6995,
61.9500

■ 122.6128,

119.5250, 83.3662

154.1100,
151.0825, 109.2241

10.8531, 9.5950,
3.2875

10.8531, 9.5950,
3.2875

10.2535, 8.6734,
2.2324

11.5594, 10.6287,
4.6913

9.7528, 7.8576,
1.4929

12.3783, 11.7776,
6.4716

9.3369, 7.1405,
1.0010

13.3159, 13.0461,
8.6540

9.2090, 6.9197,
0.8503

14.3775, 14.4383,
11.2619

15.5682, 15.9577,
14.3165

■ 16.8928, 17.6078,
17.8379

■ 18.3557, 19.3920,
21.8447

■ 19.9611, 21.3135,
26.3548

■ 21.7132, 23.3754,
31.3849

Harmonies

Analogous

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



12.6650, 9.5950, 5.3024



10.8531, 9.5950, 3.2875



8.7887, 9.5950, 2.8476

Triad

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



10.8531, 9.5950, 3.2875



5.7875, 9.5950, 11.4367



11.5180, 9.5950, 22.3857

Complementary

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



10.8531, 9.5950, 3.2875



7.2824, 7.8415, 18.8989

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.



9.4590, 9.5950, 25.7972



10.8531, 9.5950, 3.2875



6.3068, 9.5950, 18.1583

Square

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



10.8531, 9.5950, 3.2875



6.0484, 9.5950, 6.4320



7.5816, 9.5950, 24.0190



13.0867, 9.5950, 15.8598

Rectangle

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



10.8531, 9.5950, 3.2875



7.5840, 9.5950, 3.2858



7.5816, 9.5950, 24.0190



10.8499, 9.5950, 24.0255

Sweetspot

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



10.8533, 9.5955, 3.2877



26.5536, 27.0180, 23.0305



10.0530, 6.1301, 8.7698



6.1800, 6.2588, 5.1681



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.



10.8533, 9.5955, 3.2877



17.5472, 14.4726, 3.1726



14.5289, 16.9466, 4.5129



4.1407, 4.2999, 4.2362



10.0324, 7.5208, 0.9229



47.0151, 34.1937, 4.1221

Inverse Universe

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



7.2824, 7.8415, 18.8989



10.7539, 11.1238, 32.8334



5.1171, 3.5109, 18.1772



3.9555, 4.2093, 5.0472



5.6231, 5.3286, 20.1175



25.9652, 23.7030, 95.6764

Previews

White Background



This preview shows how the XYZ color 10.8531, 9.5950, 3.2875 looks on a white background.

Color Contrast Check

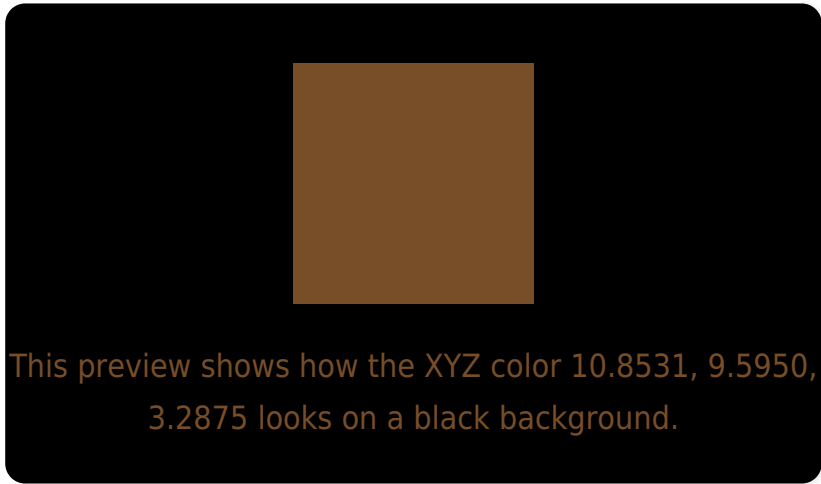
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

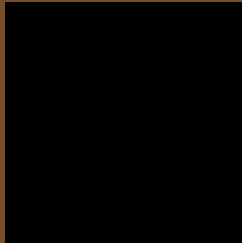
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8531, 9.5950, 3.2875

Background



This preview shows how black text looks on a background with the XYZ color 10.8531, 9.5950, 3.2875.



This preview shows how white text looks on a background with the XYZ color 10.8531, 9.5950,

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

10.8531, 9.5950, 3.2875

Protanopia

8.8555, 9.6953, 3.6901

Deuteranopia

9.7661, 9.5842, 3.2547



Tritanopia

12.0284, 9.6730, 8.6302

Trichromacy



Original Color

10.8531, 9.5950, 3.2875

Protanomaly

9.4139, 9.5111, 3.5301

Deuteranomaly

10.1187, 9.5421, 3.2279

Tritanomaly

11.4963, 9.5514, 6.2387

Monochromacy



Original Color

10.8531, 9.5950, 3.2875

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.2044, 9.2129, 6.9234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8531, 9.5950, 3.2875 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(120, 78, 40)` looks like.

```
.text, #text, p{  
    color:rgb(120, 78, 40)  
}
```

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(120, 78, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 78, 40) }
```

Border

The CSS property to change the border of an element to XYZ 10.8531, 9.5950, 3.2875 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(120, 78, 40) }
```


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

```
.border{ border-color:rgb(120, 78, 40) }
```

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

Here you see how a box with a 4 pixel rgb(120, 78, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 78, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 78, 40);  
box-shadow:4px 4px 4px 4px rgb(120, 78,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8531, 9.5950, 3.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 78, 40) }
```

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

```
.background{ background-color: rgb(120, 78,  
40) }
```

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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