

Converting Colors

XYZ(13.9873, 10.2333, 9.6100)

Have a look what the booklet for
XYZ(13.9873, 10.2333, 9.6100)
contains.

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Color

**XYZ(13.9437, 10.2547,
9.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	884654
RGB	136, 70, 84
RGB Percent	53%, 27%, 33%
CMY	0.4667, 0.7255, 0.6706
CMYK	0.00, 0.49, 0.38, 0.47
HSL	347°, 32%, 40%
HSV	347°, 49%, 53%
XYZ	13.9437, 10.2547, 9.6319
YIQ	91.3300, 34.8420, 18.3460

Conversions

Conversions Part 2

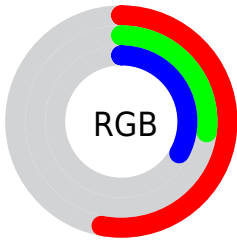
Format	Color
R_{YB}	136, 70, 84
Decimal	8930900
CIE _{Lab}	38.30, 29.67, 4.50
CIE _{LCh}	38, 30.010, 8.622
Yxy	10.2547, 0.4122, 0.3031
Android (android.graphics.Color)	4287120980 (0xFF884654)
YUV	91.3300, -3.6137, 39.1756
Hunter-Lab	32.0230, 21.6838, 4.5828

Details

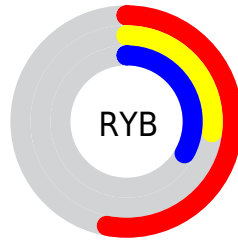
The XYZ color **13.9437, 10.2547, 9.6319** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.8433, 20.3157, 21.5527**, and the grayscale version is **10.0219, 10.5438, 11.4822**.

A 20% lighter version of the original color is **32.4360, 26.2028, 25.5384**, and **4.2204, 2.5593, 2.1910** is the 20% darker color. If you saturate the color by 10%, you get **12.7992, 8.5868, 7.3357**, and if you desaturate by 10%, it is **15.3457, 12.3347, 12.3310**.

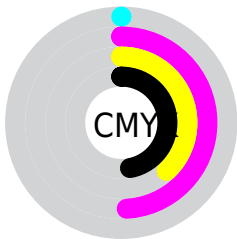
Distribution



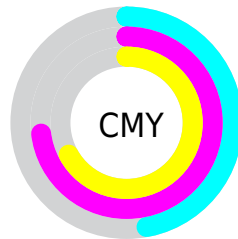
- Red (53%)
- Green (27%)
- Blue (33%)



- Red (53%)
- Yellow (27%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (38%)
- Black (47%)



- Cyan (47%)
- Magenta (73%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9437, 10.2547, 9.6319 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 13.9437, 10.2547, 9.6319 by changing the saturation by 10% instead.

13.9437, 10.2547,
9.6319

13.9437, 10.2547,
9.6319

210.3979,
192.4804, 198.4127

8.1630, 5.5682,
5.0532

32.5762, 26.2735,
25.6977

4.2521, 2.5843,
2.2192

46.1587, 38.3745,
38.0219

1.8457, 0.9188,
0.6854

63.0724, 53.7158,
53.7649

0.5450, 0.0000,
0.0000

83.6828, 72.6818,
73.3455

0.0000, 0.0000,
0.0000

108.3552, 95.6568,
97.1819

137.4550,

123.0254, 125.6930

171.3474,
155.1717, 159.2970

■ 13.9437, 10.2547,
9.6319

■ 13.9437, 10.2547,
9.6319

■ 12.7992, 8.5868,
7.3357

■ 15.3457, 12.3347,
12.3310

■ 11.8953, 7.3019,
5.4221

■ 17.0190, 14.8503,
15.4507

■ 11.2142, 6.3696,
3.8699


■ 18.9774, 17.8249,
19.0084


■ 10.7354, 5.7542,
2.6552


■ 21.2336, 21.2799,
23.0204

■ 10.4148, 5.3736,
1.7450


■ 23.7994, 25.2353,
27.5019

 10.3731, 5.3221,
1.6327

 26.6861, 29.7100,
32.4677

 29.9043, 34.7219,
37.9318

 33.4641, 40.2880,
43.9075

 37.3752, 46.4247,
50.4078

Harmonies

Analogous

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



13.6718, 10.2547, 15.5550



13.9437, 10.2547, 9.6319



12.9794, 10.2547, 5.7148

Triad

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



13.9437, 10.2547, 9.6319



7.5888, 10.2547, 4.7019



8.4429, 10.2547, 24.4469

Complementary

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



13.9437, 10.2547, 9.6319



14.8433, 20.3157, 21.5527

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.



7.1011, 10.2547, 19.2988



13.9437, 10.2547, 9.6319



6.6556, 10.2547, 7.6910

Square

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



13.9437, 10.2547, 9.6319



9.1954, 10.2547, 3.5583



6.4898, 10.2547, 12.8541



10.3198, 10.2547, 25.5029

Rectangle

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



13.9437, 10.2547, 9.6319



11.8323, 10.2547, 4.2781



6.4898, 10.2547, 12.8541



7.9220, 10.2547, 23.0714

Sweetspot

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



13.9440, 10.2552, 9.6321



34.6584, 33.2678, 35.6731



14.6181, 10.2742, 24.5051



7.8638, 7.4557, 7.9705



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.9440, 10.2552, 9.6321



22.4255, 14.9445, 12.6585



14.8067, 12.7719, 7.4800



5.0735, 5.0648, 5.4754



9.8209, 5.0385, 1.5611



0.0698, 0.0353, 0.0342

Inverse Universe

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



13.9440, 10.2552, 9.6321



22.4255, 14.9445, 12.6585



13.3665, 15.8727, 25.6516



5.0735, 5.0648, 5.4754



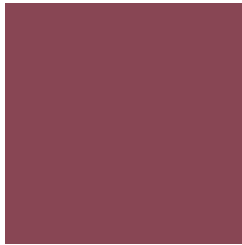
9.8209, 5.0385, 1.5611



0.0698, 0.0353, 0.0342

Previews

White Background



This preview shows how the XYZ color 13.9437, 10.2547, 9.6319 looks on a white background.

Color Contrast Check

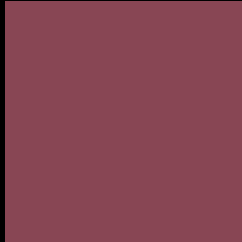
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9437, 10.2547, 9.6319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

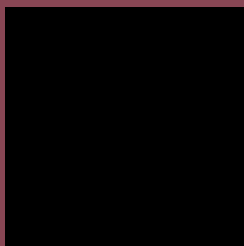
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9437, 10.2547, 9.6319

Background



This preview shows how black text looks on a background with the XYZ color 13.9437, 10.2547, 9.6319.



This preview shows how white text looks on a background with the XYZ color 13.9437, 10.2547,

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

13.9437, 10.2547, 9.6319

Protanopia

10.0361, 10.3627, 12.2977

Deuteranopia

10.4869, 10.2940, 9.2188



Tritanopia

13.5494, 10.1792, 8.0881

Trichromacy



Original Color

13.9437, 10.2547, 9.6319

Protanomaly

11.0450, 10.0676, 11.2586

Deuteranomaly

11.5357, 10.1389, 9.3317

Tritanomaly

13.6562, 10.2219, 8.6504

Monochromacy



Original Color

13.9437, 10.2547, 9.6319

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9181, 10.0169, 10.5905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9437, 10.2547, 9.6319 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(136, 70, 84)` looks like.

```
.text, #text, p{  
    color:rgb(136, 70, 84)  
}
```

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(136, 70, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 70, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.9437, 10.2547, 9.6319 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(136, 70, 84) }
```


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

```
.border{ border-color:rgb(136, 70, 84) }
```

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

Here you see how a box with a 4 pixel rgb(136, 70, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 70, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 70, 84);  
box-shadow:4px 4px 4px 4px rgb(136, 70,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9437, 10.2547, 9.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 70, 84) }
```

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

```
.background{ background-color: rgb(136, 70,  
84) }
```

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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