

Converting Colors

XYZ(13.2921, 9.7971, 6.8075)

Have a look what the booklet for
XYZ(13.2921, 9.7971, 6.8075)
contains.

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Color

**XYZ(13.2946, 9.7982,
6.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	884445
RGB	136, 68, 69
RGB Percent	53%, 27%, 27%
CMY	0.4667, 0.7333, 0.7294
CMYK	0.00, 0.50, 0.49, 0.47
HSL	359°, 33%, 40%
HSV	359°, 50%, 53%
XYZ	13.2946, 9.7982, 6.8208
YIQ	88.4460, 40.2070, 14.7270

Conversions

Conversions Part 2

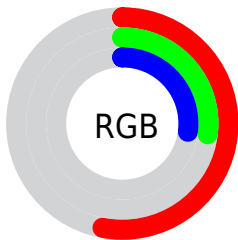
Format	Color
R_{YB}	136, 68, 69
Decimal	8930373
CIE _{Lab}	37.48, 29.04, 12.77
CIE _{LCh}	37, 31.724, 23.742
Yxy	9.7982, 0.4444, 0.3276
Android (android.graphics.Color)	4287120453 (0xFF884445)
YUV	88.4460, -9.5869, 41.7049
Hunter-Lab	31.3021, 21.0338, 8.9920

Details

The XYZ color **13.2946, 9.7982, 6.8208** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **15.5617, 20.5866, 26.0764**, and the grayscale version is **9.3880, 9.8769, 10.7559**.

A 20% lighter version of the original color is **31.4275, 25.4477, 20.0851**, and **3.9163, 2.3687, 1.2281** is the 20% darker color. If you saturate the color by 10%, you get **12.1954, 8.1920, 4.6287**, and if you desaturate by 10%, it is **14.6791, 11.8247, 9.5717**.

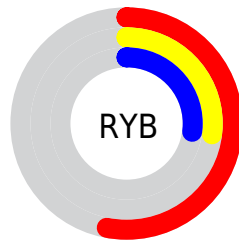
Distribution



Red (53%)

Green (27%)

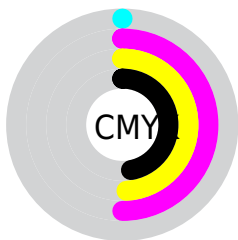
Blue (27%)



Red (53%)

Yellow (27%)

Blue (27%)

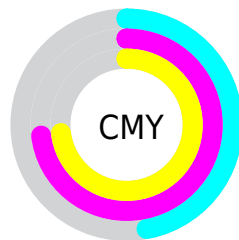


Cyan (0%)

Magenta (50%)

Yellow (49%)

Black (47%)



Cyan (47%)

Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2946, 9.7982, 6.8208 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 13.2946, 9.7982, 6.8208 by changing the saturation by 10% instead.


 13.2946, 9.7982,
6.8208


 13.2946, 9.7982,
6.8208


206.3968,
189.2257, 175.7403


 7.7101, 5.2654,
3.2735


 31.4289, 25.4152,
20.1185


 3.9603, 2.4038,
1.2359

 44.7094, 37.2682,
30.7060


 1.6797, 0.8278,
0.0084

 61.2859, 52.3301,
44.4773

 0.4435, 0.0000,
0.0000

 81.5239, 70.9851,
61.8510

 0.0000, 0.0000,
0.0000

 105.7886, 93.6178,
83.2456

134.4454,

120.6126, 109.0797

167.8597,
152.3537, 139.7717

■ 13.2946, 9.7982,
6.8208

■ 13.2946, 9.7982,
6.8208

■ 12.1954, 8.1920,
4.6287

■ 14.6791, 11.8247,
9.5717

■ 11.3609, 6.9752,
2.9568

■ 16.3661, 14.2964,
12.9156

■ 10.7692, 6.1152,
1.7621


■ 18.3723, 17.2384,
16.8844


■ 10.3941, 5.5734,
0.9949


■ 20.7129, 20.6730,
21.5077


■ 10.1642, 5.2387,
0.5328


■ 23.4023, 24.6215,
26.8132

 10.1641, 5.2385,
0.5326

 26.4538, 29.1038,
32.8270

 29.8802, 34.1386,
39.5738

 33.6937, 39.7440,
47.0772

 37.9058, 45.9371,
55.3595

Harmonies

Analogous

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



13.6818, 9.7982, 11.9146



13.2946, 9.7982, 6.8208



11.7771, 9.7982, 4.0247

Triad

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



13.2946, 9.7982, 6.8208



6.5437, 9.7982, 5.3911



8.9000, 9.7982, 25.7856

Complementary

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



13.2946, 9.7982, 6.8208



15.5617, 20.5866, 26.0764

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.



7.2189, 9.7982, 22.2396



13.2946, 9.7982, 6.8208



5.9898, 9.7982, 9.5126

Square

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



13.2946, 9.7982, 6.8208



7.8490, 9.7982, 3.4299



6.2180, 9.7982, 15.7447



10.9483, 9.7982, 24.2567

Rectangle

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



13.2946, 9.7982, 6.8208



10.4314, 9.7982, 3.2043



6.2180, 9.7982, 15.7447



8.2773, 9.7982, 25.1166

Sweetspot

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



13.2948, 9.7987, 6.8210



34.2296, 33.0962, 33.4147



16.4814, 11.0522, 24.5569



7.7552, 7.4123, 7.3986



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.



13.2948, 9.7987, 6.8210



21.2745, 14.1192, 7.7223



15.8377, 14.9335, 7.5174



5.0356, 5.0497, 5.2762



9.6205, 4.9583, 0.5058



0.0642, 0.0331, 0.0051

Inverse Universe

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



13.2948, 9.7987, 6.8210



21.2745, 14.1192, 7.7223



11.6918, 12.7341, 25.1340



5.0356, 5.0497, 5.2762



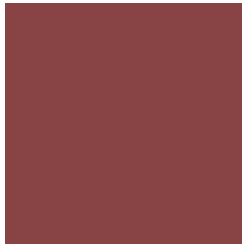
9.6205, 4.9583, 0.5058



0.0642, 0.0331, 0.0051

Previews

White Background



This preview shows how the XYZ color 13.2946, 9.7982, 6.8208 looks on a white background.

Color Contrast Check

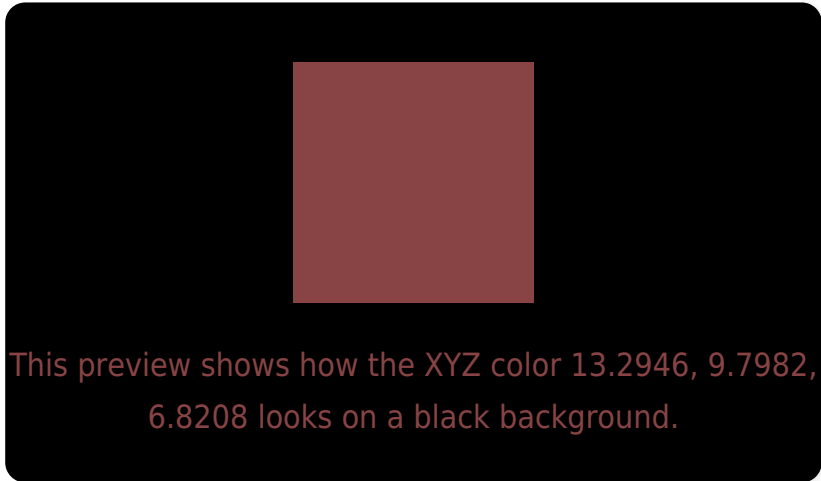
Large Text (above 18pt) WCAG AA ✓ Pass

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

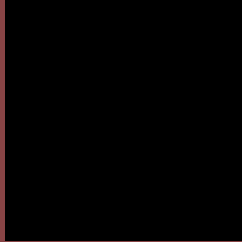
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2946, 9.7982, 6.8208

Background



This preview shows how black text looks on a background with the XYZ color 13.2946, 9.7982, 6.8208.

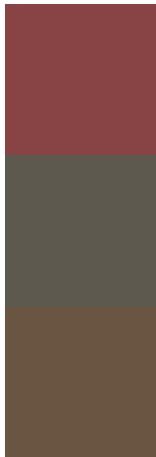


This preview shows how white text looks on a background with the XYZ color 13.2946, 9.7982,

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

13.2946, 9.7982, 6.8208

Protanopia

9.4979, 10.0364, 8.8338

Deuteranopia

10.0576, 9.8936, 6.5338



Tritanopia

13.3302, 9.7164, 7.3038

Trichromacy



Original Color

13.2946, 9.7982, 6.8208

Protanomaly

10.5191, 9.6441, 7.9637

Deuteranomaly

11.0116, 9.7102, 6.6041

Tritanomaly

13.2978, 9.7035, 7.1333

Monochromacy



Original Color

13.2946, 9.7982, 6.8208

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.2533, 9.4822, 9.0744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2946, 9.7982, 6.8208 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, 68, 69)` looks like.

```
.text, #text, p{  
    color:rgb(136, 68, 69)  
}
```

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, 68, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 68, 69) }
```

Border

The CSS property to change the border of an element to XYZ 13.2946, 9.7982, 6.8208 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, 68, 69) }
```


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

```
.border{ border-color:rgb(136, 68, 69) }
```

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

Here you see how a box with a 4 pixel rgb(136, 68, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 68, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 68, 69);  
box-shadow:4px 4px 4px 4px rgb(136, 68,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2946, 9.7982, 6.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 68, 69) }
```

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

```
.background{ background-color: rgb(136, 68,  
69) }
```

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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