

Converting Colors

XYZ(13.2925, 9.6946, 6.7691)

Have a look what the booklet for
XYZ(13.2925, 9.6946, 6.7691)
contains.

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Color

**XYZ(13.2347, 9.6782,
6.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	884345
RGB	136, 67, 69
RGB Percent	53%, 26%, 27%
CMY	0.4667, 0.7372, 0.7294
CMYK	0.00, 0.51, 0.49, 0.47
HSL	358°, 34%, 40%
HSV	358°, 51%, 53%
XYZ	13.2347, 9.6782, 6.8008
YIQ	87.8590, 40.4820, 15.2500

Conversions

Conversions Part 2

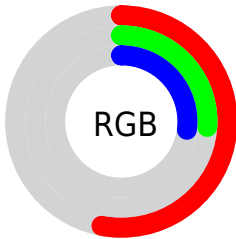
Format	Color
R_{YB}	136, 67, 69
Decimal	8930117
CIE _{Lab}	37.26, 29.59, 12.47
CIE _{LCh}	37, 32.114, 22.853
Yxy	9.6782, 0.4454, 0.3257
Android (android.graphics.Color)	4287120197 (0xFF884345)
YUV	87.8590, -9.2975, 42.2197
Hunter-Lab	31.1098, 21.4951, 8.8157

Details

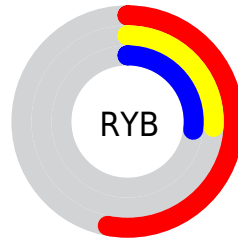
The XYZ color **13.2347, 9.6782, 6.8008** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **15.4225, 20.5231, 25.7039**, and the grayscale version is **9.2588, 9.7409, 10.6079**.

A 20% lighter version of the original color is **31.3104, 25.2134, 20.0461**, and **3.8990, 2.3342, 1.2223** is the 20% darker color. If you saturate the color by 10%, you get **12.1537, 8.1009, 4.6381**, and if you desaturate by 10%, it is **14.5973, 11.6728, 9.5078**.

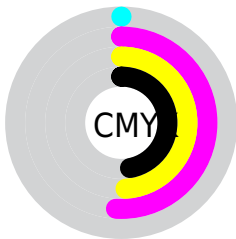
Distribution



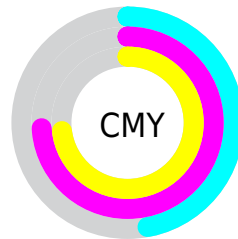
- Red (53%)
- Green (26%)
- Blue (27%)



- Red (53%)
- Yellow (26%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (49%)
- Black (47%)




- Cyan (47%)
- Magenta (74%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2347, 9.6782, 6.8008 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 13.2347, 9.6782, 6.8008 by changing the saturation by 10% instead.


 13.2347, 9.6782,
6.8008


 13.2347, 9.6782,
6.8008


206.0237,
188.3597, 175.5657


 7.6685, 5.1861,
3.2613


 31.3225, 25.1884,
20.0773


 3.9336, 2.3569,
1.2295

 44.5748, 36.9754,
30.6514

 1.6646, 0.8036,
0.0030

 61.1199, 51.9628,
44.4075

 0.4340, 0.0000,
0.0000

 81.3231, 70.5350,
61.7640

 0.0000, 0.0000,
0.0000

 105.5497, 93.0763,
83.1396

134.1651,

119.9713, 108.9527

167.5346,
151.6043, 139.6219

■ 13.2347, 9.6782,
6.8008

■ 13.2347, 9.6782,
6.8008

■ 12.1537, 8.1009,
4.6381

■ 14.5973, 11.6728,
9.5078

■ 11.3341, 6.9101,
2.9825

■ 16.2586, 14.1097,
12.7918

■ 10.7538, 6.0727,
1.7927

■ 18.2352, 17.0140,
16.6839

■ 10.3871, 5.5500,
1.0209

■ 20.5420, 20.4082,
21.2125

■ 10.1749, 5.2429,
0.5887

■ 23.1934, 24.3135,
26.4043

■ 26.2025, 28.7497,
32.2846

■ 29.5820, 33.7358,
38.8771

■ 33.3440, 39.2896,
46.2047

■ 37.4998, 45.4282,
54.2890

Harmonies

Analogous

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



13.5857, 9.6782, 11.9743



13.2347, 9.6782, 6.8008



11.7326, 9.6782, 3.9535

Triad

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



13.2347, 9.6782, 6.8008



6.4520, 9.6782, 5.1721



8.7268, 9.6782, 25.7557

Complementary

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



13.2347, 9.6782, 6.8008



15.4225, 20.5231, 25.7039

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.



7.0590, 9.6782, 22.0359



13.2347, 9.6782, 6.8008



5.8754, 9.6782, 9.2213

Square

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



13.2347, 9.6782, 6.8008



7.7795, 9.6782, 3.2802



6.0802, 9.6782, 15.4415



10.7811, 9.6782, 24.3628

Rectangle

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



13.2347, 9.6782, 6.8008



10.3846, 9.6782, 3.1103



6.0802, 9.6782, 15.4415



8.1069, 9.6782, 25.0269

Sweetspot

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



13.2349, 9.6787, 6.8010



34.2600, 33.1084, 33.5749



16.2351, 10.8361, 24.5285



7.7628, 7.4154, 7.4391



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.



13.2349, 9.6787, 6.8010



21.1588, 13.8983, 7.6517



15.6476, 14.6016, 7.3045



5.0384, 5.0508, 5.2904



9.6309, 4.9625, 0.5605



0.0646, 0.0332, 0.0072

Inverse Universe

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



13.2349, 9.6787, 6.8010



21.1588, 13.8983, 7.6517



11.6893, 12.8318, 25.1533



5.0384, 5.0508, 5.2904



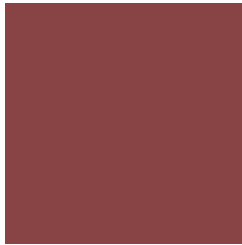
9.6309, 4.9625, 0.5605



0.0646, 0.0332, 0.0072

Previews

White Background



This preview shows how the XYZ color 13.2347, 9.6782, 6.8008 looks on a white background.

Color Contrast Check

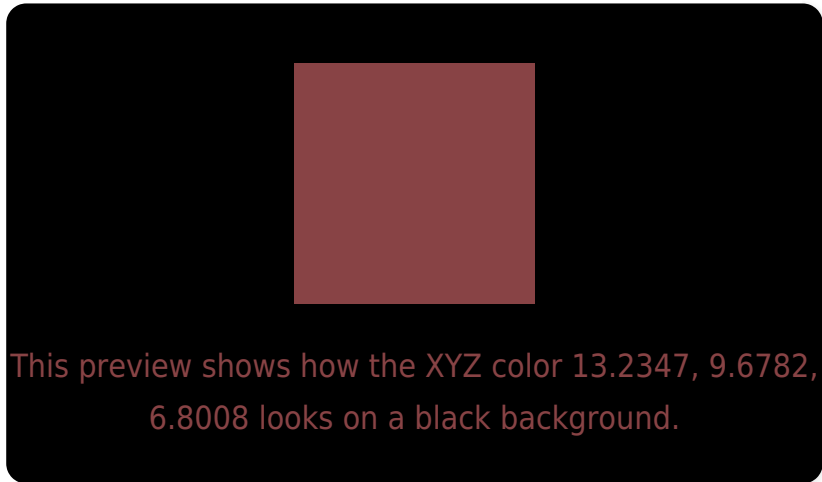
Large Text (above 18pt) WCAG AA ✓ Pass

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

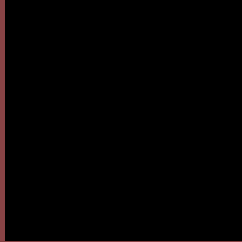
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2347, 9.6782, 6.8008

Background



This preview shows how black text looks on a background with the XYZ color 13.2347, 9.6782, 6.8008.



This preview shows how white text looks on a background with the XYZ color 13.2347, 9.6782,

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

13.2347, 9.6782, 6.8008

Protanopia

9.3146, 9.8193, 8.8015

Deuteranopia

9.9408, 9.8334, 6.5284



Tritanopia

13.2978, 9.7035, 7.1333

Trichromacy



Original Color

13.2347, 9.6782, 6.8008

Protanomaly

10.3230, 9.4335, 7.9334

Deuteranomaly

10.9400, 9.5670, 6.5802

Tritanomaly

13.2660, 9.6907, 6.9657

Monochromacy



Original Color

13.2347, 9.6782, 6.8008

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.1796, 9.3347, 9.0498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2347, 9.6782, 6.8008 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, 67, 69)` looks like.

```
.text, #text, p{  
    color:rgb(136, 67, 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, 67, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 67, 69) }
```

Border

The CSS property to change the border of an element to XYZ 13.2347, 9.6782, 6.8008 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, 67, 69) }
```


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

```
.border{ border-color:rgb(136, 67, 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, 67, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 67, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 67, 69);  
box-shadow:4px 4px 4px 4px rgb(136, 67,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2347, 9.6782, 6.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 67, 69) }
```

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

```
.background{ background-color: rgb(136, 67,  
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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