

Converting Colors

XYZ(13.3486, 9.7307, 6.4601)

Have a look what the booklet for
XYZ(13.3486, 9.7307, 6.4601)
contains.

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Color

**XYZ(13.3368, 9.7379,
6.4869)**

Conversions

Conversions Part 1

Format	Color
Hex	894343
RGB	137, 67, 67
RGB Percent	54%, 26%, 26%
CMY	0.4627, 0.7372, 0.7373
CMYK	0.00, 0.51, 0.51, 0.46
HSL	0°, 34%, 40%
HSV	0°, 51%, 54%
XYZ	13.3368, 9.7379, 6.4869
YIQ	87.9300, 41.7200, 14.8400

Conversions

Conversions Part 2

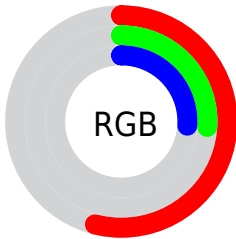
Format	Color
R_{YB}	137, 67, 67
Decimal	8995651
CIE Lab	37.37, 29.79, 13.90
CIE LCh	37, 32.871, 25.017
Yxy	9.7379, 0.4512, 0.3294
Android (android.graphics.Color)	4287185731 (0xFF894343)
YUV	87.9300, -10.3185, 43.0344
Hunter-Lab	31.2056, 21.6784, 9.5190

Details

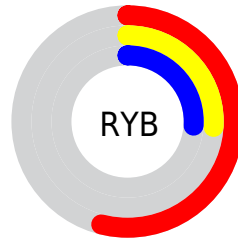
The XYZ color **13.3368, 9.7379, 6.4869** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **15.7753, 20.8898, 26.8675**, and the grayscale version is **9.2762, 9.7593, 10.6279**.

A 20% lighter version of the original color is **31.4481, 25.2978, 19.4451**, and **3.9650, 2.3707, 1.1128** is the 20% darker color. If you saturate the color by 10%, you get **12.2531, 8.1523, 4.3323**, and if you desaturate by 10%, it is **14.7109, 11.7488, 9.2183**.

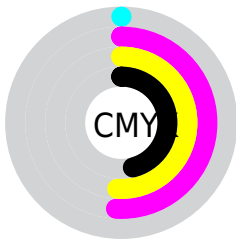
Distribution



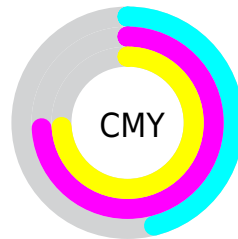
- Red (54%)
- Green (26%)
- Blue (26%)



- Red (54%)
- Yellow (26%)
- Blue (26%)



- Cyan (0%)
- Magenta (51%)
- Yellow (51%)
- Black (46%)





- Cyan (46%)
- Magenta (74%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3368, 9.7379, 6.4869 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 13.3368, 9.7379, 6.4869 by changing the saturation by 10% instead.


 13.3368, 9.7379,
6.4869


 13.3368, 9.7379,
6.4869


206.6593,
188.7911, 172.7953


 7.7395, 5.2255,
3.0698


 31.5037, 25.3013,
19.4283


 3.9791, 2.3802,
1.1304

 44.8041, 37.1212,
29.7896


 1.6903, 0.8157,
0.0000

 61.4028, 52.1457,
43.3028

 0.4502, 0.0000,
0.0000

 81.6652, 70.7591,
60.3864

 0.0000, 0.0000,
0.0000

 105.9567, 93.3460,
81.4589

 134.6426,

120.2907, 106.9389

168.0884,
151.9776, 137.2448

■ 13.3368, 9.7379,
6.4869

■ 13.3368, 9.7379,
6.4869

■ 12.2531, 8.1523,
4.3323

■ 14.7109, 11.7488,
9.2183

■ 11.4383, 6.9600,
2.7126

■ 16.3935, 14.2110,
12.5632

■ 10.8692, 6.1271,
1.5813

■ 18.4020, 17.1499,
16.5559

■ 10.5181, 5.6134,
0.8834

■ 20.7522, 20.5889,
21.2280

■ 10.3166, 5.3185,
0.4828

■ 23.4590, 24.5498,
26.6091

■ 26.5365, 29.0530,
32.7270

■ 29.9978, 34.1178,
39.6080

■ 33.8556, 39.7628,
47.2772

■ 38.1218, 46.0054,
55.7584

Harmonies

Analogous

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



13.7978, 9.7379, 11.6209



13.3368, 9.7379, 6.4869



11.7219, 9.7379, 3.7518

Triad

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



13.3368, 9.7379, 6.4869



6.3705, 9.7379, 5.3312



8.9152, 9.7379, 26.4302

Complementary

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



13.3368, 9.7379, 6.4869



15.7753, 20.8898, 26.8675

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.



7.1620, 9.7379, 22.9042



13.3368, 9.7379, 6.4869



5.8388, 9.7379, 9.6462

Square

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



13.3368, 9.7379, 6.4869



7.6770, 9.7379, 3.2794



6.1055, 9.7379, 16.1709



11.0369, 9.7379, 24.5935

Rectangle

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



13.3368, 9.7379, 6.4869



10.3198, 9.7379, 2.9782



6.1055, 9.7379, 16.1709



8.2672, 9.7379, 25.8039

Sweetspot

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



13.3370, 9.7384, 6.4871



35.3039, 34.1499, 34.3187



16.8390, 11.1389, 24.9294



7.7474, 7.4093, 7.3573



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.



13.3370, 9.7384, 6.4871



21.7349, 14.2945, 7.3444



16.0810, 15.2264, 7.4017



5.0329, 5.0486, 5.2616



9.6099, 4.9542, 0.4498



0.0638, 0.0329, 0.0030

Inverse Universe

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



15.7753, 20.8898, 26.8675



26.6033, 36.5604, 48.0379



11.5815, 12.5023, 25.4696



5.1728, 5.6886, 6.4312



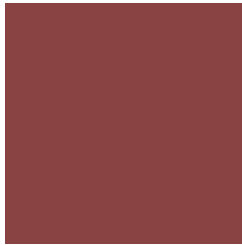
12.5381, 18.3464, 24.9261



0.0833, 0.1219, 0.1656

Previews

White Background



This preview shows how the XYZ color 13.3368, 9.7379, 6.4869 looks on a white background.

Color Contrast Check

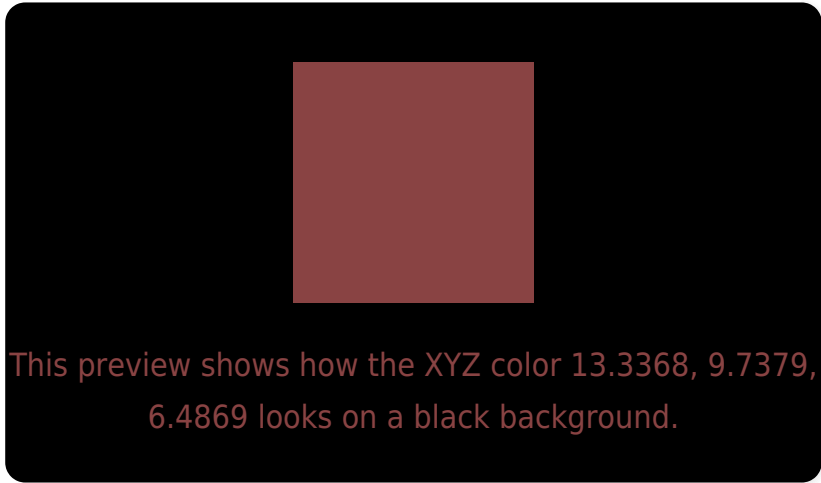
Large Text (above 18pt) WCAG AA ✓ Pass

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

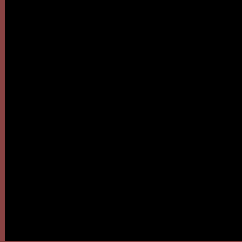
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3368, 9.7379, 6.4869

Background



This preview shows how black text looks on a background with the XYZ color 13.3368, 9.7379, 6.4869.



This preview shows how white text looks on a background with the XYZ color 13.3368, 9.7379,

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

13.3368, 9.7379, 6.4869

Protanopia

9.3435, 9.8424, 8.4285

Deuteranopia

9.9996, 9.8704, 6.2286



Tritanopia

13.4021, 9.6697, 7.1213

Trichromacy



Original Color

13.3368, 9.7379, 6.4869

Protanomaly

10.3779, 9.4696, 7.5842

Deuteranomaly

11.0146, 9.6123, 6.2759

Tritanomaly

13.3702, 9.6570, 6.9536

Monochromacy



Original Color

13.3368, 9.7379, 6.4869

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.2605, 9.3807, 8.8593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3368, 9.7379, 6.4869 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(137, 67, 67)` looks like.

```
.text, #text, p{  
    color:rgb(137, 67, 67)  
}
```

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(137, 67, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 67, 67) }
```

Border

The CSS property to change the border of an element to XYZ 13.3368, 9.7379, 6.4869 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(137, 67, 67) }
```


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

```
.border{ border-color:rgb(137, 67, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 67, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 67, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 67, 67);  
box-shadow:4px 4px 4px 4px rgb(137, 67,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3368, 9.7379, 6.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 67, 67) }
```

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

```
.background{ background-color: rgb(137, 67,  
67) }
```

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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