

Converting Colors

XYZ(13.7586, 8.7169, 2.9286)

Have a look what the booklet for
XYZ(13.7586, 8.7169, 2.9286)
contains.

XYZ(13.7363, 8.7303, 2.9686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7363, 8.7303,
2.9686)**

Conversions

Conversions Part 1

Format	Color
Hex	943228
RGB	148, 50, 40
RGB Percent	58%, 20%, 16%
CMY	0.4196, 0.8039, 0.8431
CMYK	0.00, 0.66, 0.73, 0.42
HSL	6°, 57%, 37%
HSV	6°, 73%, 58%
XYZ	13.7363, 8.7303, 2.9686
YIQ	78.1620, 61.6180, 17.6660

Conversions

Conversions Part 2

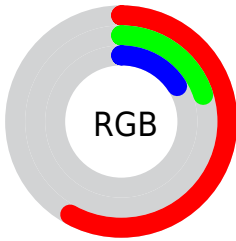
Format	Color
R_{YB}	148, 51, 40
Decimal	9712168
CIE _{Lab}	35.46, 40.58, 28.53
CIE _{LCh}	35, 49.605, 35.108
Yxy	8.7303, 0.5401, 0.3432
Android (android.graphics.Color)	4287902248 (0xFF943228)
YUV	78.1620, -18.8139, 61.2479
Hunter-Lab	29.5471, 31.2764, 14.7261

Details

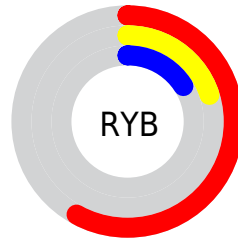
The XYZ color **13.7363, 8.7303, 2.9686** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.3078, 20.7642, 31.2177**, and the grayscale version is **7.2989, 7.6790, 8.3625**.

A 20% lighter version of the original color is **32.0655, 23.2446, 11.6007**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.0388, 7.6639, 1.7231**, and if you desaturate by 10%, it is **14.6991, 10.1732, 4.7783**.

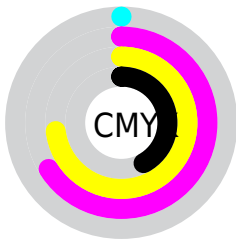
Distribution



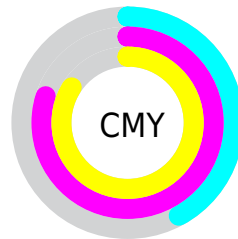
- Red (58%)
- Green (20%)
- Blue (16%)



- Red (58%)
- Yellow (20%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (73%)
- Black (42%)



- Cyan (42%)
- Magenta (80%)
- Yellow (84%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7363, 8.7303, 2.9686 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 13.7363, 8.7303, 2.9686 by changing the saturation by 10% instead.

■ 13.7363, 8.7303,
2.9686

■ 13.7363, 8.7303,
2.9686

209.1277,
181.3530, 135.9597

■ 8.0180, 4.5657,
1.0786

■ 32.2106, 23.3782,
11.5509

■ 4.1583, 1.9948,
0.0000

■ 45.6972, 34.6302,
19.0802

■ 1.7921, 0.6044,
0.0000

■ 62.5040, 49.0135,
29.3265

■ 0.5129, 0.0000,
0.0000

■ 82.9963, 66.9125,
42.7081

■ 0.0000, 0.0000,
0.0000

■ 107.5395, 88.7116,
59.6437

■ 136.4989,

114.7951, 80.5518

170.2398,
145.5474, 105.8510

13.7363, 8.7303,
2.9686

13.7363, 8.7303,
2.9686

13.0388, 7.6639,
1.7231

14.6991, 10.1732,
4.7783

12.5790, 6.9374,
0.9748

15.9499, 12.0217,
7.2082

12.3658, 6.6022,
0.6226

17.5095, 14.3040,
10.3080

19.3966, 17.0451,
14.1223

21.6287, 20.2683,
18.6918

■ 24.2216, 23.9952,
24.0541

■ 27.1905, 28.2460,
30.2444

■ 30.5495, 33.0401,
37.2957

■ 34.3122, 38.3955,
45.2392

Harmonies

Analogous

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



15.1699, 8.7303, 8.1558



13.7363, 8.7303, 2.9686



10.8687, 8.7303, 1.1379

Triad

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



13.7363, 8.7303, 2.9686



4.2031, 8.7303, 4.2502



8.8035, 8.7303, 35.8717

Complementary

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



13.7363, 8.7303, 2.9686



15.3078, 20.7642, 31.2177

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.



6.1682, 8.7303, 32.5436



13.7363, 8.7303, 2.9686



3.8963, 8.7303, 10.9971

Square

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



13.7363, 8.7303, 2.9686



5.4903, 8.7303, 1.5187



4.5259, 8.7303, 21.9399



11.9291, 8.7303, 29.4245

Rectangle

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



13.7363, 8.7303, 2.9686



8.7818, 8.7303, 0.8189



4.5259, 8.7303, 21.9399



7.8321, 8.7303, 35.8844

Sweetspot

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



13.7365, 8.7308, 2.9687



38.3908, 36.0908, 33.4499



17.6316, 9.6775, 25.3645



8.5307, 7.9029, 7.1565



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.7365, 8.7308, 2.9687



22.4135, 12.5917, 2.0571



17.4458, 16.1495, 4.2052



5.8415, 5.8967, 6.0708



10.5725, 5.6594, 0.5351



0.1379, 0.0863, 0.0094

Inverse Universe

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



15.3078, 20.7642, 31.2177



25.2419, 34.8704, 54.8349



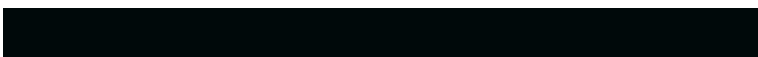
9.4688, 9.0862, 29.2714



5.9187, 6.4713, 7.4069



11.8920, 16.4788, 26.4850



0.1563, 0.2233, 0.3278

Previews

White Background



This preview shows how the XYZ color 13.7363, 8.7303, 2.9686 looks on a white background.

Color Contrast Check

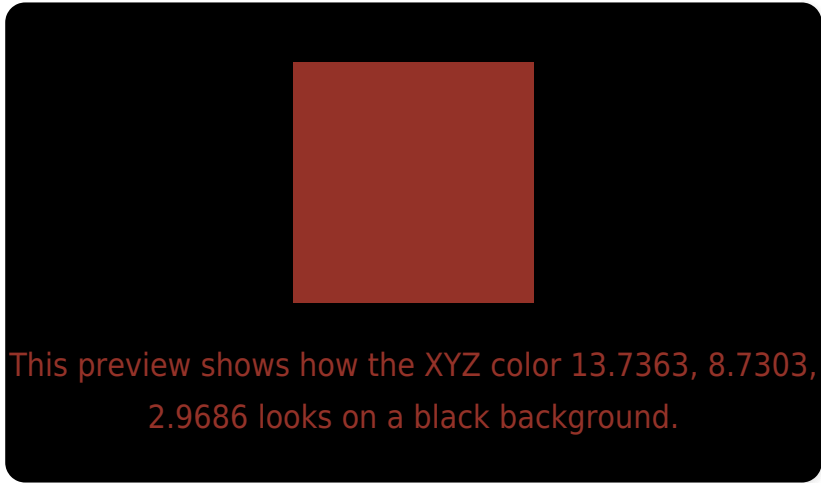
Large Text (above 18pt) WCAG AA ✓ Pass

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

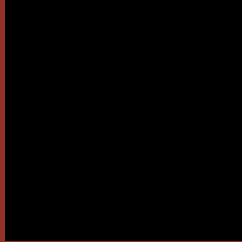
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7363, 8.7303, 2.9686

Background



This preview shows how black text looks on a background with the XYZ color 13.7363, 8.7303, 2.9686.



This preview shows how white text looks on a background with the XYZ color 13.7363, 8.7303,

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

13.7363, 8.7303, 2.9686

Protanopia

8.1815, 8.8550, 4.4099

Deuteranopia

8.9831, 8.8561, 2.7493



Tritanopia

13.8672, 8.6488, 4.0705

Trichromacy



Original Color

13.7363, 8.7303, 2.9686

Protanomaly

9.5125, 8.2847, 3.7871

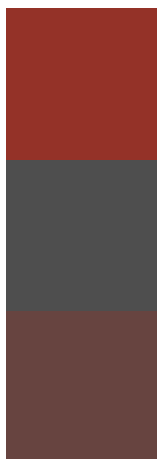
Deuteranomaly

10.3317, 8.4486, 2.7553

Tritanomaly

13.8241, 8.6978, 3.6395

Monochromacy



Original Color

13.7363, 8.7303, 2.9686

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.5861, 7.3880, 5.8240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7363, 8.7303, 2.9686 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(148, 50, 40)` looks like.

```
.text, #text, p{  
    color:rgb(148, 50, 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(148, 50, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 50, 40) }
```

Border

The CSS property to change the border of an element to XYZ 13.7363, 8.7303, 2.9686 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(148, 50, 40) }
```


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

```
.border{ border-color:rgb(148, 50, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 50, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 50, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 50, 40);  
box-shadow:4px 4px 4px 4px rgb(148, 50,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7363, 8.7303, 2.9686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 50, 40) }
```

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

```
.background{ background-color: rgb(148, 50,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor