

Converting Colors

XYZ(13.8528, 8.8670, 2.4202)

Have a look what the booklet for
XYZ(13.8528, 8.8670, 2.4202)
contains.

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Color

**XYZ(13.8528, 8.8670,
2.4202)**

Conversions

Conversions Part 1

Format	Color
Hex	953321
RGB	149, 51, 33
RGB Percent	58%, 20%, 13%
CMY	0.4157, 0.8000, 0.8706
CMYK	0.00, 0.66, 0.78, 0.42
HSL	9°, 64%, 36%
HSV	9°, 78%, 58%
XYZ	13.8528, 8.8670, 2.4202
YIQ	78.2500, 64.1860, 15.1780

Conversions

Conversions Part 2

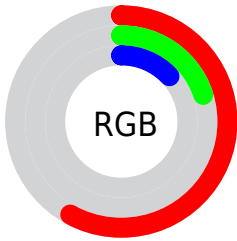
Format	Color
R_{YB}	149, 54, 33
Decimal	9777953
CIE _{Lab}	35.73, 40.17, 32.95
CIE _{LCh}	36, 51.955, 39.363
Yxy	8.8670, 0.5510, 0.3527
Android (android.graphics.Color)	4287968033 (0xFF953321)
YUV	78.2500, -22.3083, 62.0478
Hunter-Lab	29.7775, 30.9294, 16.0254

Details

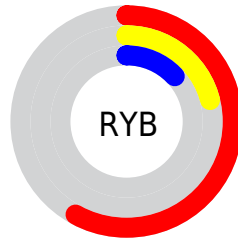
The XYZ color **13.8528, 8.8670, 2.4202** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.1676, 18.7244, 31.3012**, and the grayscale version is **7.3216, 7.7029, 8.3885**.

A 20% lighter version of the original color is **32.4571, 23.6226, 10.2461**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.2110, 7.8467, 1.3949**, and if you desaturate by 10%, it is **14.7364, 10.2232, 3.9821**.

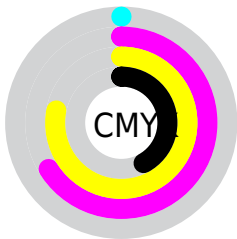
Distribution



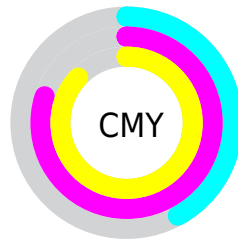
- Red (58%)
- Green (20%)
- Blue (13%)



- Red (58%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (78%)
- Black (42%)





- Cyan (42%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8528, 8.8670, 2.4202 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 13.8528, 8.8670, 2.4202 by changing the saturation by 10% instead.


 13.8528, 8.8670,
2.4202

 13.8528, 8.8670,
2.4202


209.8422,
182.3826, 128.5939


 8.0994, 4.6545,
0.7974


 32.4161, 23.6414,
10.1607


 4.2109, 2.0460,
0.0000

 45.9566, 34.9721,
17.1249


 1.8222, 0.6340,
0.0000

 62.8236, 49.4444,
26.7098

 0.5310, 0.0000,
0.0000

 83.3823, 67.4426,
39.3340


 0.0000, 0.0000,
0.0000


 107.9982, 89.3511,
55.4159


 137.0366,


115.5543, 75.3742


 170.8628,
146.4367, 99.6274


 13.8528, 8.8670,
2.4202


 13.8528, 8.8670,
2.4202


 13.2110, 7.8467,
1.3949


 14.7364, 10.2232,
3.9821


 12.7776, 7.1279,
0.7943

 15.8829, 11.9400,
6.1410

 12.7033, 7.0074,
0.6830

 17.3119, 14.0414,
8.9494

 19.0407, 16.5492,
12.4541

 21.0854, 19.4832,
16.6976

■ 23.4608, 22.8620,
21.7190

■ 26.1808, 26.7033,
27.5544

■ 29.2585, 31.0235,
34.2379

■ 32.7063, 35.8384,
41.8015

Harmonies

Analogous

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



15.6799, 8.8670, 7.1616



13.8528, 8.8670, 2.4202



10.6795, 8.8670, 0.9073

Triad

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



13.8528, 8.8670, 2.4202



4.0292, 8.8670, 4.8452



9.4231, 8.8670, 37.7057

Complementary

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



13.8528, 8.8670, 2.4202



14.1676, 18.7244, 31.3012

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.



6.5172, 8.8670, 35.6178



13.8528, 8.8670, 2.4202



3.8488, 8.8670, 12.6680

Square

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



13.8528, 8.8670, 2.4202



5.2162, 8.8670, 1.6028



4.6441, 8.8670, 24.7968



12.7439, 8.8670, 29.4578

Rectangle

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



13.8528, 8.8670, 2.4202



8.4935, 8.8670, 0.6744



4.6441, 8.8670, 24.7968



8.3625, 8.8670, 38.2633

Sweetspot

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



13.8530, 8.8675, 2.4203



39.5525, 37.4456, 33.6715



17.0758, 9.1323, 22.5493



8.4647, 7.8700, 6.8289



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.



13.8530, 8.8675, 2.4203



23.0850, 13.0970, 1.7115



18.0738, 17.3091, 3.8273



5.8692, 5.9522, 6.0800



10.7067, 5.9279, 0.5799



0.1449, 0.1002, 0.0117

Inverse Universe

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



14.1676, 18.7244, 31.3012



23.4939, 31.1846, 55.7022



8.4742, 7.3376, 29.4034



5.8883, 6.4105, 7.3967



10.8488, 14.3925, 26.1373



0.1494, 0.2094, 0.3254

Previews

White Background



This preview shows how the XYZ color 13.8528, 8.8670, 2.4202 looks on a white background.

Color Contrast Check

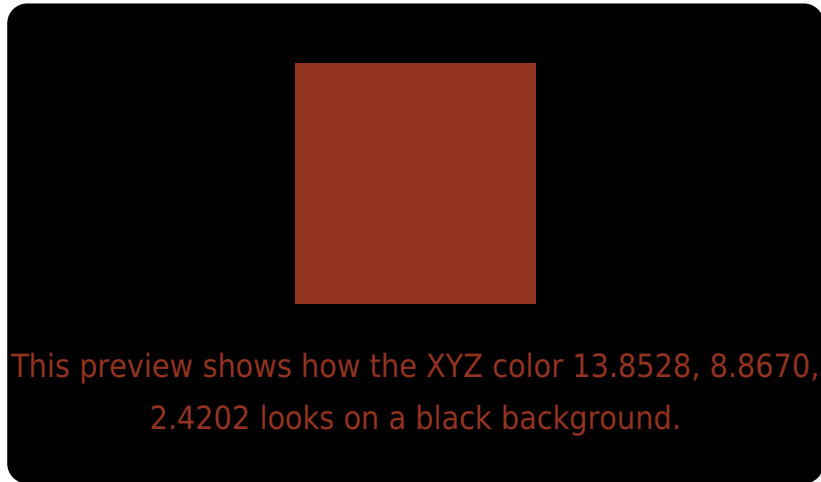
Large Text (above 18pt) WCAG AA ✓ Pass

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

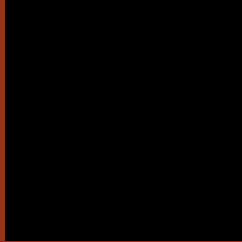
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8528, 8.8670, 2.4202

Background



This preview shows how black text looks on a background with the XYZ color 13.8528, 8.8670, 2.4202.



This preview shows how white text looks on a background with the XYZ color 13.8528, 8.8670,

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

13.8528, 8.8670, 2.4202

Protanopia

8.3006, 9.0511, 3.5950

Deuteranopia

9.1813, 9.0808, 2.1886



Tritanopia

14.2735, 8.9197, 4.1013

Trichromacy



Original Color

13.8528, 8.8670, 2.4202

Protanomaly

9.6882, 8.4890, 3.0474

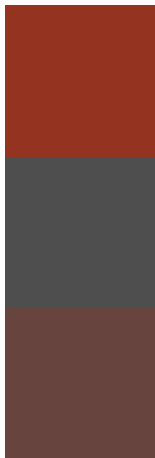
Deuteranomaly

10.4258, 8.6017, 2.2094

Tritanomaly

14.1729, 8.9471, 3.3628

Monochromacy



Original Color

13.8528, 8.8670, 2.4202

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.6455, 7.4251, 5.5349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8528, 8.8670, 2.4202 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(149, 51, 33)` looks like.

```
.text, #text, p{  
    color:rgb(149, 51, 33)  
}
```

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(149, 51, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 51, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.8528, 8.8670, 2.4202 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(149, 51, 33) }
```


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

```
.border{ border-color:rgb(149, 51, 33) }
```

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

Here you see how a box with a 4 pixel rgb(149, 51, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 51, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 51, 33);  
box-shadow:4px 4px 4px 4px rgb(149, 51,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8528, 8.8670, 2.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 51, 33) }
```

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

```
.background{ background-color: rgb(149, 51,  
33) }
```

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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