

Converting Colors

XYZ(13.8867, 9.2712, 2.4701)

Have a look what the booklet for
XYZ(13.8867, 9.2712, 2.4701)
contains.

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Color

**XYZ(13.9504, 9.3320,
2.5048)**

Conversions

Conversions Part 1

Format	Color
Hex	943921
RGB	148, 57, 33
RGB Percent	58%, 22%, 13%
CMY	0.4196, 0.7764, 0.8706
CMYK	0.00, 0.61, 0.78, 0.42
HSL	13°, 64%, 35%
HSV	13°, 78%, 58%
XYZ	13.9504, 9.3320, 2.5048
YIQ	81.4730, 61.9400, 11.8280

Conversions

Conversions Part 2

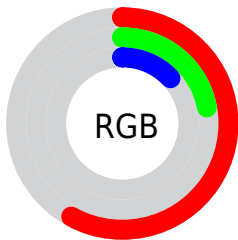
Format	Color
R_{YB}	148, 63, 33
Decimal	9713953
CIE _{Lab}	36.62, 36.95, 33.84
CIE _{LCh}	37, 50.104, 42.478
Yxy	9.3320, 0.5410, 0.3619
Android (android.graphics.Color)	4287904033 (0xFF943921)
YUV	81.4730, -23.8972, 58.3442
Hunter-Lab	30.5483, 28.0554, 16.5224

Details

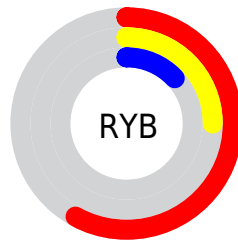
The XYZ color **13.9504, 9.3320, 2.5048** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.1793, 16.8752, 30.5794**, and the grayscale version is **7.9527, 8.3668, 9.1115**.

A 20% lighter version of the original color is **32.5060, 24.5550, 10.4235**, and **4.3361, 2.2676, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **13.2732, 8.2396, 1.4717**, and if you desaturate by 10%, it is **14.8528, 10.7291, 4.0628**.

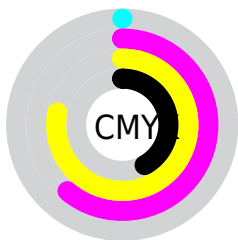
Distribution



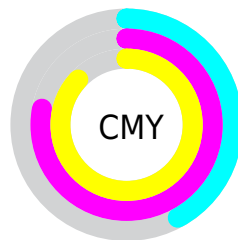
- Red (58%)
- Green (22%)
- Blue (13%)



- Red (58%)
- Yellow (25%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (42%)



- Cyan (42%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9504, 9.3320, 2.5048 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 13.9504, 9.3320, 2.5048 by changing the saturation by 10% instead.


 13.9504, 9.3320,
2.5048


 13.9504, 9.3320,
2.5048


210.4388,
185.8356, 129.7795


 8.1676, 4.9584,
0.8427


 32.5880, 24.5312,
10.3799


 4.2551, 2.2229,
0.0000


 46.1735, 36.1256,
17.4350


 1.8475, 0.7324,
0.0000

 63.0907, 50.8957,
27.1265

 0.5460, 0.0000,
0.0000

 83.7049, 69.2259,
39.8730

 0.0000, 0.0000,
0.0000

 108.3815, 91.5006,
56.0930

 137.4858,

118.1042, 76.2051

171.3831,
149.4211, 100.6278

13.9504, 9.3320,
2.5048

13.9504, 9.3320,
2.5048

13.2732, 8.2396,
1.4717

14.8528, 10.7291,
4.0628

12.7915, 7.4238,
0.8564

15.9988, 12.4504,
6.2042

12.6999, 7.2703,
0.7340

17.4055, 14.5155,
8.9799

19.0882, 16.9422,
12.4353

21.0611, 19.7467,
16.6114

■ 23.3373, 22.9444,
21.5462

■ 25.9290, 26.5499,
27.2748

■ 28.8479, 30.5769,
33.8303

■ 32.1050, 35.0384,
41.2436

Harmonies

Analogous

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



15.9368, 9.3320, 6.9401



13.9504, 9.3320, 2.5048



10.7600, 9.3320, 1.0774

Triad

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



13.9504, 9.3320, 2.5048



4.3619, 9.3320, 5.8882



10.2016, 9.3320, 37.0578

Complementary

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



13.9504, 9.3320, 2.5048



13.1793, 16.8752, 30.5794

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.



7.2150, 9.3320, 36.1565



13.9504, 9.3320, 2.5048



4.2790, 9.3320, 14.2500

Square

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



13.9504, 9.3320, 2.5048



5.4627, 9.3320, 2.1151



5.2021, 9.3320, 26.2984



13.4615, 9.3320, 28.3233

Rectangle

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



13.9504, 9.3320, 2.5048



8.6180, 9.3320, 0.9140



5.2021, 9.3320, 26.2984



9.1264, 9.3320, 37.9701

Sweetspot

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



13.9506, 9.3325, 2.5050



38.7991, 37.1501, 32.8376



16.4582, 8.8643, 20.2455



8.5628, 8.0661, 6.8616



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.



13.9506, 9.3325, 2.5050



22.7867, 13.4644, 1.7919



18.4482, 18.3278, 4.0042



5.8931, 6.0000, 6.0880



10.8648, 6.2440, 0.6326



0.1508, 0.1120, 0.0137

Inverse Universe

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



13.1793, 16.8752, 30.5794



21.1790, 27.0125, 53.5323



8.0095, 6.5355, 28.8561



5.8624, 6.3588, 7.3881



10.0296, 12.7541, 25.8642



0.1435, 0.1976, 0.3235

Previews

White Background



This preview shows how the XYZ color 13.9504, 9.3320, 2.5048 looks on a white background.

Color Contrast Check

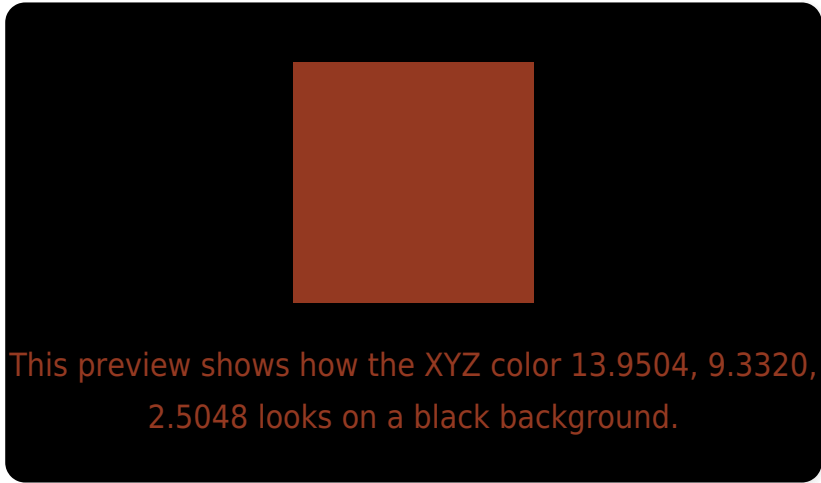
Large Text (above 18pt) WCAG AA ✓ Pass

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

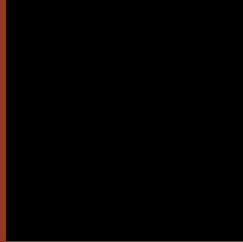
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9504, 9.3320, 2.5048

Background



This preview shows how black text looks on a background with the XYZ color 13.9504, 9.3320, 2.5048.



This preview shows how white text looks on a background with the XYZ color 13.9504, 9.3320,

2.5048.

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

13.9504, 9.3320, 2.5048

Protanopia

8.6500, 9.4704, 3.5625

Deuteranopia

9.5864, 9.5123, 2.3081



Tritanopia

14.4521, 9.3233, 4.9088

Trichromacy



Original Color

13.9504, 9.3320, 2.5048

Protanomaly

10.0209, 8.9602, 3.1208

Deuteranomaly

10.8389, 9.1972, 2.3664

Tritanomaly

14.2941, 9.3353, 3.8448

Monochromacy



Original Color

13.9504, 9.3320, 2.5048

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.0685, 8.0082, 5.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9504, 9.3320, 2.5048 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, 57, 33)` looks like.

```
.text, #text, p{  
    color:rgb(148, 57, 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(148, 57, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 57, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.9504, 9.3320, 2.5048 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, 57, 33) }
```


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

```
.border{ border-color:rgb(148, 57, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 57, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 57, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 57, 33);  
box-shadow:4px 4px 4px 4px rgb(148, 57,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9504, 9.3320, 2.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 57, 33) }
```

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

```
.background{ background-color: rgb(148, 57,  
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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