

Converting Colors

XYZ(13.4754, 9.3449, 1.1222)

Have a look what the booklet for
XYZ(13.4754, 9.3449, 1.1222)
contains.

XYZ(13.4754, 9.3449, 1.1222)	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(13.4754, 9.3449,
1.1222)**

Conversions

Conversions Part 1

Format	Color
Hex	923C01
RGB	146, 60, 1
RGB Percent	57%, 24%, 0%
CMY	0.4275, 0.7647, 0.9961
CMYK	0.00, 0.59, 0.99, 0.43
HSL	24°, 99%, 29%
HSV	24°, 99%, 57%
XYZ	13.4754, 9.3449, 1.1222
YIQ	78.9880, 70.1950, -0.1170

Conversions

Conversions Part 2

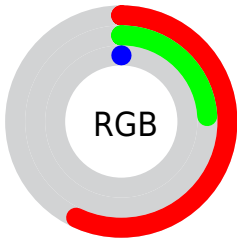
Format	Color
R_{YB}	146, 100, 1
Decimal	9583617
CIE Lab	36.64, 33.82, 47.23
CIE LCh	37, 58.094, 54.396
Yxy	9.3449, 0.5628, 0.3903
Android (android.graphics.Color)	4287773697 (0xFF923C01)
YUV	78.9880, -38.4481, 58.7695
Hunter-Lab	30.5694, 25.1886, 19.2221

Details

The XYZ color **13.4754, 9.3449, 1.1222** is a dark color, and the websafe version is hex **993300**, and the color name is **iced tea**. A complement of this color would be **8.6086, 8.8974, 28.4576**, and the grayscale version is **7.4919, 7.8821, 8.5836**.

A 20% lighter version of the original color is **31.6721, 24.5307, 6.4338**, and **4.1222, 2.2701, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.4392, 9.2814, 1.0832**, and if you desaturate by 10%, it is **14.0521, 10.3622, 1.7342**.

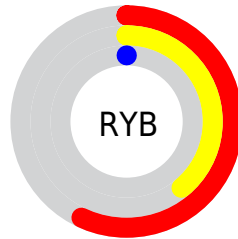
Distribution



Red (57%)

Green (24%)

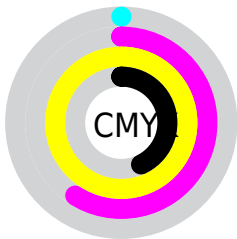
Blue (0%)



Red (57%)

Yellow (39%)

Blue (0%)

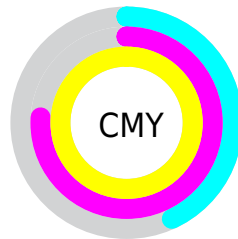


Cyan (0%)

Magenta (59%)

Yellow (99%)

Black (43%)



Cyan (43%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4754, 9.3449, 1.1222 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 13.4754, 9.3449, 1.1222 by changing the saturation by 10% instead.

■ 13.4754, 9.3449,
1.1222

■ 13.4754, 9.3449,
1.1222

■ 207.5190,
185.9304, 106.7685

■ 7.8360, 4.9668,
0.0000

■ 31.7494, 24.5558,
6.4606

■ 4.0411, 2.2278,
0.0000

■ 45.1146, 36.1574,
11.7610

■ 1.7254, 0.7351,
0.0000

■ 61.7858, 50.9357,
19.3737

■ 0.4721, 0.0000,
0.0000


■ 82.1284, 69.2750,
29.7170

■ 0.0000, 0.0000,
0.0000

■ 106.5076, 91.5597,
43.2096


■ 135.2889,


118.1743, 60.2700


 168.8375,
149.5030, 81.3168


 13.4754, 9.3449,
1.1222


 13.4754, 9.3449,
1.1222


 13.4392, 9.2814,
1.0832

 14.0521, 10.3622,
1.7342

 14.7674, 11.5588,
2.6945

 15.6501, 12.9515,
4.1376

 16.7137, 14.5507,
6.1201

 17.9701, 16.3655,
8.6904

■ 19.4300, 18.4046,
11.8919

■ 21.1032, 20.6761,
15.7635

■ 22.9988, 23.1875,
20.3410

■ 25.1254, 25.9460,
25.6577

Harmonies

Analogous

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



16.6567, 9.3449, 4.0503



13.4754, 9.3449, 1.1222



9.5651, 9.3449, 0.3744

Triad

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



13.4754, 9.3449, 1.1222



3.6754, 9.3449, 8.3838



12.0085, 9.3449, 40.3582

Complementary

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



13.4754, 9.3449, 1.1222



8.6086, 8.8974, 28.4576

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.



8.2323, 9.3449, 44.6386



13.4754, 9.3449, 1.1222



4.0050, 9.3449, 20.5672

Square

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



13.4754, 9.3449, 1.1222



4.4096, 9.3449, 2.5122



5.4728, 9.3449, 35.7635



15.6640, 9.3449, 26.3157

Rectangle

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



13.4754, 9.3449, 1.1222



7.2915, 9.3449, 0.4826



5.4728, 9.3449, 35.7635



10.6885, 9.3449, 43.2592

Sweetspot

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



13.4756, 9.3454, 1.1224



36.8253, 35.9337, 26.8571



13.6263, 6.8373, 9.8341



7.9404, 7.6536, 5.3872



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4756, 9.3454, 1.1224



23.5510, 16.0586, 1.8583



20.0430, 22.4803, 3.3115



5.9830, 6.1798, 6.1179



11.8475, 8.2094, 0.9601



0.1727, 0.1559, 0.0210

Inverse Universe

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



8.6086, 8.8974, 28.4576



14.9372, 15.2301, 50.1260



5.3788, 2.4377, 27.3810



5.7682, 6.1703, 7.3567



7.5579, 7.8106, 25.0403



0.1215, 0.1537, 0.3162

Previews

White Background



This preview shows how the XYZ color 13.4754, 9.3449, 1.1222 looks on a white background.

Color Contrast Check

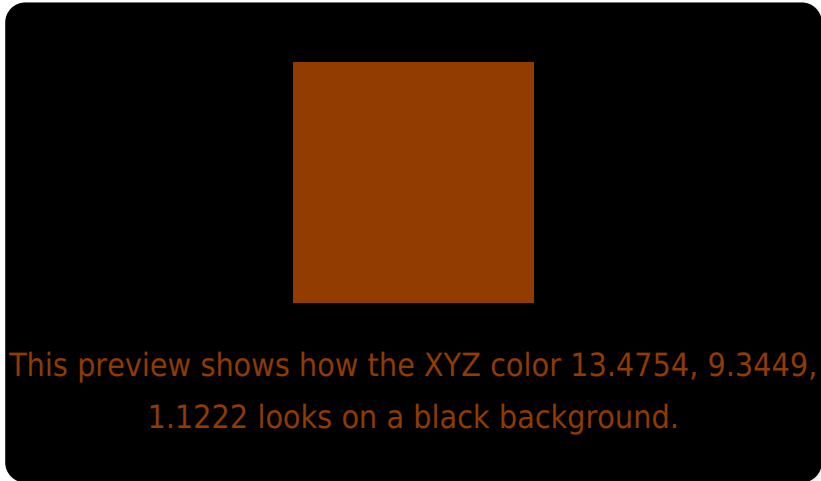
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4754, 9.3449, 1.1222

Background



This preview shows how black text looks on a background with the XYZ color 13.4754, 9.3449, 1.1222.



This preview shows how white text looks on a background with the XYZ color 13.4754, 9.3449,

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

13.4754, 9.3449, 1.1222

Protanopia

8.5245, 9.4448, 1.7892

Deuteranopia

9.5237, 9.5015, 1.3320



Tritanopia

14.2362, 9.3472, 5.1915

Trichromacy



Original Color

13.4754, 9.3449, 1.1222

Protanomaly

9.7734, 8.9723, 1.4752

Deuteranomaly

10.6845, 9.2431, 1.2210

Tritanomaly

13.8456, 9.2692, 2.8931

Monochromacy



Original Color

13.4754, 9.3449, 1.1222

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.5084, 7.7573, 4.1808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4754, 9.3449, 1.1222 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(146, 60, 1)` looks like.

```
.text, #text, p{  
    color:rgb(146, 60, 1)  
}
```

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(146, 60, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 60, 1) }
```

Border

The CSS property to change the border of an element to XYZ 13.4754, 9.3449, 1.1222 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(146, 60, 1) }
```


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

```
.border{ border-color:rgb(146, 60, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 60, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 60, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 60, 1);  
box-shadow:4px 4px 4px 4px rgb(146, 60, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4754, 9.3449, 1.1222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 60, 1) }
```

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

```
.background{ background-color: rgb(146, 60,  
1) }
```

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