

Converting Colors

XYZ(15.4639, 10.6964, 3.8914)

Have a look what the booklet for
XYZ(15.4639, 10.6964, 3.8914)
contains.

XYZ(15.5403, 10.7581, 3.9468)	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(15.5403, 10.7581,
3.9468)**

Conversions

Conversions Part 1

Format	Color
Hex	99412F
RGB	153, 65, 47
RGB Percent	60%, 25%, 18%
CMY	0.4000, 0.7451, 0.8157
CMYK	0.00, 0.58, 0.69, 0.40
HSL	10°, 53%, 39%
HSV	10°, 69%, 60%
XYZ	15.5403, 10.7581, 3.9468
YIQ	89.2600, 58.2260, 13.0580

Conversions

Conversions Part 2

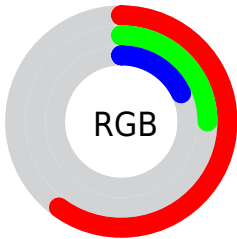
Format	Color
R_{YB}	153, 69, 47
Decimal	10043695
CIE _{Lab}	39.17, 35.61, 28.93
CIE _{LCh}	39, 45.878, 39.095
Yxy	10.7581, 0.5138, 0.3557
Android (android.graphics.Color)	4288233775 (0xFF99412F)
YUV	89.2600, -20.8342, 55.9000
Hunter-Lab	32.7995, 27.1734, 15.8253

Details

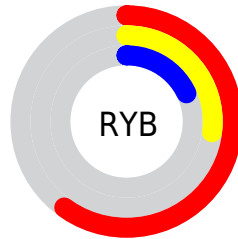
The XYZ color **15.5403, 10.7581, 3.9468** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.5855, 20.2311, 33.2205**, and the grayscale version is **9.5892, 10.0886, 10.9865**.

A 20% lighter version of the original color is **35.4171, 27.2960, 13.9916**, and **4.9678, 2.7746, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **14.6351, 9.3581, 2.3802**, and if you desaturate by 10%, it is **16.7182, 12.5305, 6.1383**.

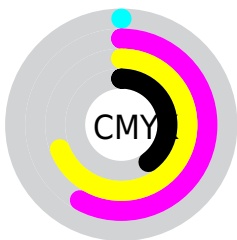
Distribution



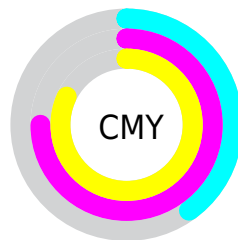
- Red (60%)
- Green (25%)
- Blue (18%)



- Red (60%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (58%)
- Yellow (69%)
- Black (40%)



- Cyan (40%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5403, 10.7581, 3.9468 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 15.5403, 10.7581, 3.9468 by changing the saturation by 10% instead.

■ 15.5403, 10.7581,
3.9468

■ 15.5403, 10.7581,
3.9468

219.9377,
196.0004, 147.6322

■ 9.2882, 5.9044,
1.5962

■ 35.3622, 27.2120,
13.8869

■ 4.9883, 2.7870,
0.2881

■ 49.6628, 39.5810,
22.3134

■ 2.2751, 1.0216,
0.0000

■ 67.3768, 55.2238,
33.6024

■ 0.7819, 0.0000,
0.0000

■ 88.8698, 74.5250,
48.1723

■ 0.0000, 0.0000,
0.0000

■ 114.5070, 97.8688,
66.4417

■ 144.6539,

125.6397, 88.8291

179.6757,
158.2221, 115.7531

■ 15.5403, 10.7581,
3.9468

■ 15.5403, 10.7581,
3.9468

■ 14.6351, 9.3581,
2.3802

■ 16.7182, 12.5305,
6.1383

■ 13.9789, 8.3018,
1.3717

■ 18.1884, 14.6979,
9.0113

■ 13.5326, 7.5540,
0.7764

■ 19.9693, 17.2830,
12.6164

■ 13.5060, 7.5105,
0.7378

■ 22.0779, 20.3063,
16.9994

■ 24.5295, 23.7870,
22.2022

■ 27.3388, 27.7431,
28.2640

■ 30.5194, 32.1916,
35.2210

■ 34.0843, 37.1486,
43.1077

■ 38.0459, 42.6297,
51.9567

Harmonies

Analogous

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



17.2528, 10.7581, 9.2336



15.5403, 10.7581, 3.9468



12.4856, 10.7581, 1.9429

Triad

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



15.5403, 10.7581, 3.9468



5.6333, 10.7581, 6.6471



11.1896, 10.7581, 37.6852

Complementary

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



15.5403, 10.7581, 3.9468



15.5855, 20.2311, 33.2205

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.



8.2556, 10.7581, 35.7522



15.5403, 10.7581, 3.9468



5.4241, 10.7581, 14.6024

Square

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



15.5403, 10.7581, 3.9468



6.9289, 10.7581, 2.8691



6.2856, 10.7581, 25.9823



14.4297, 10.7581, 30.4060

Rectangle

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



15.5403, 10.7581, 3.9468



10.3190, 10.7581, 1.6258



6.2856, 10.7581, 25.9823



10.1321, 10.7581, 38.1469

Sweetspot

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



15.5405, 10.7587, 3.9470



42.9395, 41.1989, 37.6460



18.5501, 10.5641, 24.1063



9.2331, 8.7451, 7.7842



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.5405, 10.7587, 3.9470



25.5273, 15.6721, 3.1789



20.0893, 19.8561, 5.4632



6.2894, 6.3839, 6.5066



11.1804, 6.2431, 0.6158



0.1858, 0.1307, 0.0154

Inverse Universe

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



15.5855, 20.2311, 33.2205



25.4872, 33.5288, 59.1004



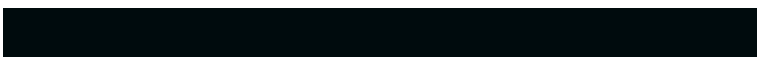
9.9646, 8.9893, 31.3469



6.2953, 6.8479, 7.9190



11.0470, 14.4907, 27.1224



0.1860, 0.2583, 0.4124

Previews

White Background



This preview shows how the XYZ color 15.5403, 10.7581, 3.9468 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 × Fail

Black Background



This preview shows how the XYZ color 15.5403, 10.7581, 3.9468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

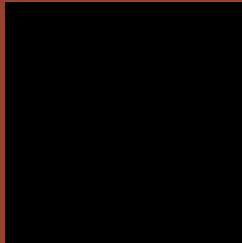
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5403, 10.7581, 3.9468

Background



This preview shows how black text looks on a background with the XYZ color 15.5403, 10.7581, 3.9468.



This preview shows how white text looks on a background with the XYZ color 15.5403, 10.7581,

3.9468.

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

15.5403, 10.7581, 3.9468

Protanopia

10.1324, 10.9489, 5.4502

Deuteranopia

11.0605, 10.9568, 3.7224



Tritanopia

16.0324, 10.7086, 6.3762

Trichromacy



Original Color

15.5403, 10.7581, 3.9468

Protanomaly

11.6210, 10.5085, 4.7840

Deuteranomaly

12.3765, 10.5863, 3.7739

Tritanomaly

15.8934, 10.7408, 5.3732

Monochromacy



Original Color

15.5403, 10.7581, 3.9468

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.7868, 9.6765, 7.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5403, 10.7581, 3.9468 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(153, 65, 47)` looks like.

```
.text, #text, p{  
    color:rgb(153, 65, 47)  
}
```

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(153, 65, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 65, 47) }
```

Border

The CSS property to change the border of an element to XYZ 15.5403, 10.7581, 3.9468 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(153, 65, 47) }
```


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

```
.border{ border-color:rgb(153, 65, 47) }
```

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

Here you see how a box with a 4 pixel rgb(153, 65, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 65, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 65, 47);  
box-shadow:4px 4px 4px 4px rgb(153, 65,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5403, 10.7581, 3.9468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 65, 47) }
```

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

```
.background{ background-color: rgb(153, 65,  
47) }
```

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