

Converting Colors

XYZ(15.5912, 10.8474, 4.0151)

Have a look what the booklet for
XYZ(15.5912, 10.8474, 4.0151)
contains.

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Color

**XYZ(15.6186, 10.8821,
4.0736)**

Conversions

Conversions Part 1

Format	Color
Hex	994230
RGB	153, 66, 48
RGB Percent	60%, 26%, 19%
CMY	0.4000, 0.7412, 0.8118
CMYK	0.00, 0.57, 0.69, 0.40
HSL	10°, 52%, 39%
HSV	10°, 69%, 60%
XYZ	15.6186, 10.8821, 4.0736
YIQ	89.9610, 57.6300, 12.8460

Conversions

Conversions Part 2

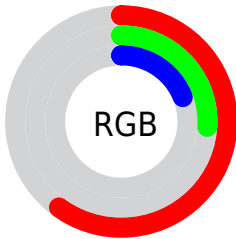
Format	Color
R_{YB}	153, 70, 48
Decimal	10043952
CIE _{Lab}	39.38, 35.15, 28.59
CIE _{LCh}	39, 45.314, 39.124
Yxy	10.8821, 0.5108, 0.3559
Android (android.graphics.Color)	4288234032 (0xFF994230)
YUV	89.9610, -20.6868, 55.2852
Hunter-Lab	32.9880, 26.7840, 15.7701

Details

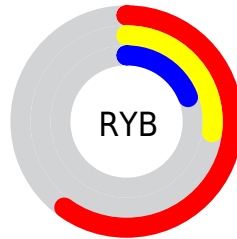
The XYZ color **15.6186, 10.8821, 4.0736** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.6321, 20.2551, 33.2226**, and the grayscale version is **9.7457, 10.2532, 11.1657**.

A 20% lighter version of the original color is **35.5782, 27.5459, 14.2682**, and **5.0057, 2.8328, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **14.6953, 9.4567, 2.4678**, and if you desaturate by 10%, it is **16.8155, 12.6807, 6.3082**.

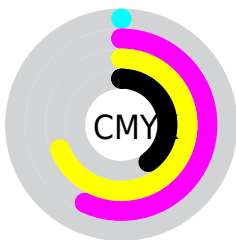
Distribution



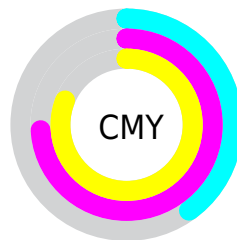
- Red (60%)
- Green (26%)
- Blue (19%)



- Red (60%)
- Yellow (27%)
- Blue (19%)



- Cyan (0%)
- Magenta (57%)
- Yellow (69%)
- Black (40%)



- Cyan (40%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6186, 10.8821, 4.0736 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 15.6186, 10.8821, 4.0736 by changing the saturation by 10% instead.

■ 15.6186, 10.8821,
4.0736

■ 15.6186, 10.8821,
4.0736

220.3954,
196.8569, 149.0400

■ 9.3438, 5.9876,
1.6658

■ 35.4976, 27.4419,
14.1791

■ 5.0250, 2.8375,
0.3371

■ 49.8325, 39.8761,
22.7140

■ 2.2968, 1.0475,
0.0000

■ 67.5849, 55.5922,
34.1283

■ 0.7931, 0.0000,
0.0000

■ 89.1200, 74.9748,
48.8405

■ 0.0000, 0.0000,
0.0000

■ 114.8033, 98.4081,
67.2692

■ 145.0000,

126.2767, 89.8330

180.0756,
158.9648, 116.9504

■ 15.6186, 10.8821,
4.0736

■ 15.6186, 10.8821,
4.0736

■ 14.6953, 9.4567,
2.4678

■ 16.8155, 12.6807,
6.3082

■ 14.0221, 8.3759,
1.4246

■ 18.3054, 14.8745,
9.2275

■ 13.5630, 7.6062,
0.8136

■ 20.1066, 17.4862,
12.8818

■ 13.5114, 7.5215,
0.7397

■ 22.2356, 20.5361,
17.3167

■ 24.7081, 24.0430,
22.5738

■ 27.5383, 28.0249,
28.6920

■ 30.7399, 32.4987,
35.7075

■ 34.3258, 37.4803,
43.6546

■ 38.3081, 42.9851,
52.5657

Harmonies

Analogous

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



17.3169, 10.8821, 9.3700



15.6186, 10.8821, 4.0736



12.5872, 10.8821, 2.0430

Triad

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



15.6186, 10.8821, 4.0736



5.7580, 10.8821, 6.7968



11.3056, 10.8821, 37.5278

Complementary

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



15.6186, 10.8821, 4.0736



15.6321, 20.2551, 33.2226

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.



8.3829, 10.8821, 35.6327



15.6186, 10.8821, 4.0736



5.5493, 10.8821, 14.7302

Square

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



15.6186, 10.8821, 4.0736



7.0538, 10.8821, 2.9888



6.4135, 10.8821, 25.9991



14.5229, 10.8821, 30.3449

Rectangle

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



15.6186, 10.8821, 4.0736



10.4334, 10.8821, 1.7193



6.4135, 10.8821, 25.9991



10.2533, 10.8821, 37.9857

Sweetspot

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



15.6189, 10.8827, 4.0738



42.9516, 41.2232, 37.6500



18.6023, 10.6497, 24.1818



9.2360, 8.7509, 7.7851



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.



15.6189, 10.8827, 4.0738



25.6624, 15.8953, 3.3688



20.1488, 19.9426, 5.5838



6.2902, 6.3855, 6.5068



11.1850, 6.2525, 0.6173



0.1860, 0.1311, 0.0155

Inverse Universe

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



15.6321, 20.2551, 33.2226



25.5683, 33.5913, 59.1081



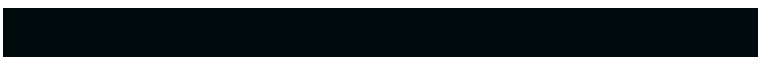
10.0620, 9.1149, 31.3659



6.2944, 6.8462, 7.9187



11.0207, 14.4382, 27.1137



0.1858, 0.2579, 0.4124

Previews

White Background



This preview shows how the XYZ color 15.6186, 10.8821, 4.0736 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 15.6186, 10.8821, 4.0736 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 15.6186, 10.8821, 4.0736

Background



This preview shows how black text looks on a background with the XYZ color 15.6186, 10.8821, 4.0736.

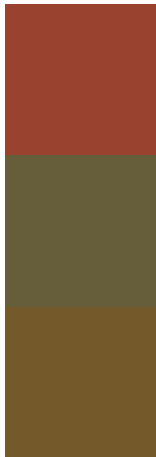


This preview shows how white text looks on a background with the XYZ color 15.6186, 10.8821,

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

15.6186, 10.8821, 4.0736

Protanopia

10.2459, 11.1357, 5.6124

Deuteranopia

11.2109, 11.0322, 3.8240



Tritanopia

16.1473, 10.8424, 6.7106

Trichromacy



Original Color

15.6186, 10.8821, 4.0736

Protanomaly

11.7213, 10.6719, 4.9321

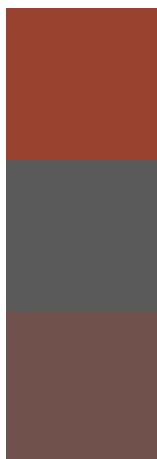
Deuteranomaly

12.4693, 10.7414, 3.8987

Tritanomaly

16.0021, 10.8737, 5.6703

Monochromacy



Original Color

15.6186, 10.8821, 4.0736

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.0225, 9.9036, 7.9872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6186, 10.8821, 4.0736 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, 66, 48)` looks like.

```
.text, #text, p{  
    color:rgb(153, 66, 48)  
}
```

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, 66, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 66, 48) }
```

Border

The CSS property to change the border of an element to XYZ 15.6186, 10.8821, 4.0736 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, 66, 48) }
```


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

```
.border{ border-color:rgb(153, 66, 48) }
```

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

Here you see how a box with a 4 pixel rgb(153, 66, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 66, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 66, 48);  
box-shadow:4px 4px 4px 4px rgb(153, 66,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6186, 10.8821, 4.0736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 66, 48) }
```

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

```
.background{ background-color: rgb(153, 66,  
48) }
```

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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