

Converting Colors

XYZ(15.8483, 9.7587, 2.4148)

Have a look what the booklet for
XYZ(15.8483, 9.7587, 2.4148)
contains.

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Color

**XYZ(15.8562, 9.7745,
2.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	A03120
RGB	160, 49, 32
RGB Percent	63%, 19%, 13%
CMY	0.3726, 0.8078, 0.8745
CMYK	0.00, 0.69, 0.80, 0.37
HSL	8°, 67%, 38%
HSV	8°, 80%, 63%
XYZ	15.8562, 9.7745, 2.4174
YIQ	80.2510, 71.6130, 18.2450

Conversions

Conversions Part 2

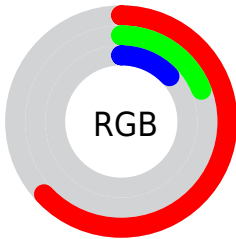
Format	Color
R_{YB}	160, 52, 32
Decimal	10498336
CIE _{Lab}	37.43, 44.93, 35.92
CIE _{LCh}	37, 57.518, 38.641
Yxy	9.7745, 0.5653, 0.3485
Android (android.graphics.Color)	4288688416 (0xFFA03120)
YUV	80.2510, -23.7877, 69.9399
Hunter-Lab	31.2642, 35.8171, 17.3005

Details

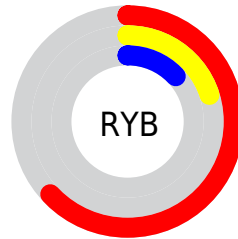
The XYZ color **15.8562, 9.7745, 2.4174** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.7620, 22.4875, 36.7145**, and the grayscale version is **7.7097, 8.1112, 8.8331**.

A 20% lighter version of the original color is **35.9453, 25.4250, 10.2207**, and **5.3668, 2.7667, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **15.1956, 8.7209, 1.3726**, and if you desaturate by 10%, it is **16.8015, 11.2288, 4.0781**.

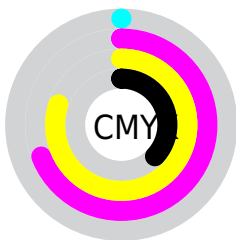
Distribution



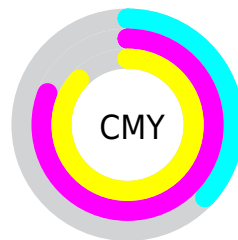
- Red (63%)
- Green (19%)
- Blue (13%)



- Red (63%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (69%)
- Yellow (80%)
- Black (37%)




- Cyan (37%)
- Magenta (81%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8562, 9.7745, 2.4174 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 15.8562, 9.7745, 2.4174 by changing the saturation by 10% instead.


 15.8562, 9.7745,
2.4174


 15.8562, 9.7745,
2.4174


221.7788,
189.0550, 128.5543


 9.5127, 5.2497,
0.7959


 35.9078, 25.3705,
10.1534


 5.1368, 2.3945,
0.0000

 50.3467, 37.2105,
17.1146


 2.3633, 0.8231,
0.0000

 68.2146, 52.2576,
26.6959

 0.8268, 0.0000,
0.0000


 89.8770, 70.8964,
39.3160


 0.0000, 0.0000,
0.0000

 115.6993, 93.5111,
55.3934


 146.0468,


120.4862, 75.3465

 181.2848,
152.2060, 99.5940


 15.8562, 9.7745,
2.4174

 15.8562, 9.7745,
2.4174


 15.1956, 8.7209,
1.3726


 16.8015, 11.2288,
4.0781

 14.7700, 8.0194,
0.7694

 18.0593, 13.1173,
6.4305

 14.7700, 8.0194,
0.7694

 19.6545, 15.4717,
9.5398

 21.6095, 18.3204,
13.4635

 23.9447, 21.6893,
18.2536

■ 26.6787, 25.6028,
23.9577

■ 29.8293, 30.0836,
30.6199

■ 33.4129, 35.1530,
38.2816

■ 37.4451, 40.8313,
46.9816

Harmonies

Analogous

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



18.0104, 9.7745, 7.9199



15.8562, 9.7745, 2.4174



12.0629, 9.7745, 0.7673

Triad

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



15.8562, 9.7745, 2.4174



4.1989, 9.7745, 4.9085



10.3759, 9.7745, 45.0172

Complementary

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



15.8562, 9.7745, 2.4174



16.7620, 22.4875, 36.7145

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.



6.9790, 9.7745, 42.0939



15.8562, 9.7745, 2.4174



3.9682, 9.7745, 13.9275

Square

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



15.8562, 9.7745, 2.4174



5.5866, 9.7745, 1.4314



4.8454, 9.7745, 28.5736



14.3497, 9.7745, 35.0389

Rectangle

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



15.8562, 9.7745, 2.4174



9.4564, 9.7745, 0.4922



4.8454, 9.7745, 28.5736



9.1263, 9.7745, 45.5968

Sweetspot

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



15.8564, 9.7751, 2.4176



46.1343, 43.1917, 38.6680



20.1295, 10.5529, 27.7907



9.7596, 8.9593, 7.7343



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.8564, 9.7751, 2.4176



26.9707, 14.7925, 1.6739



20.4349, 18.9320, 3.9437



6.7006, 6.7812, 6.9414



11.5255, 6.2867, 0.6060



0.2240, 0.1482, 0.0168

Inverse Universe

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



16.7620, 22.4875, 36.7145



28.4413, 38.2936, 66.2789



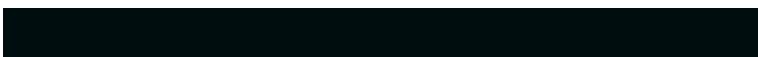
9.8881, 8.7399, 34.4232



6.7466, 7.3590, 8.4715



12.1286, 16.3487, 28.4236



0.2357, 0.3301, 0.5145

Previews

White Background



This preview shows how the XYZ color 15.8562, 9.7745, 2.4174 looks on a white background.

Color Contrast Check

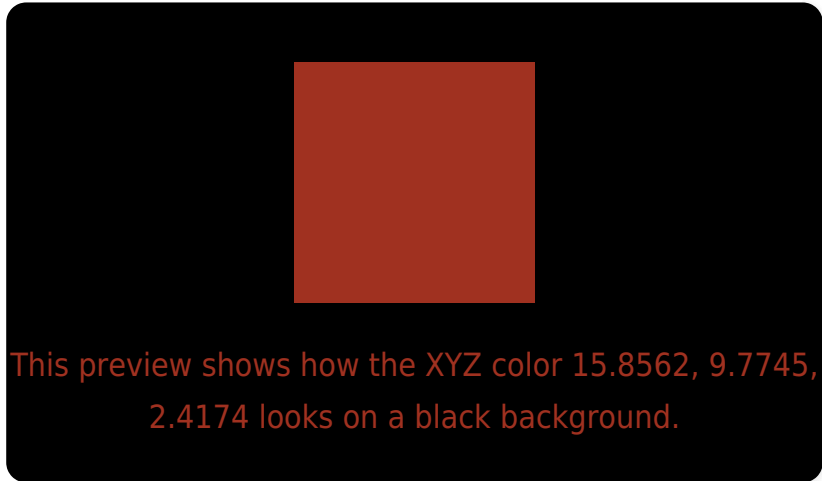
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8562, 9.7745, 2.4174

Background



This preview shows how black text looks on a background with the XYZ color 15.8562, 9.7745, 2.4174.



This preview shows how white text looks on a background with the XYZ color 15.8562, 9.7745,

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

15.8562, 9.7745, 2.4174

Protanopia

9.1540, 9.9718, 3.7278

Deuteranopia

10.0754, 9.9997, 2.1582



Tritanopia

16.2688, 9.8318, 3.9460

Trichromacy



Original Color

15.8562, 9.7745, 2.4174

Protanomaly

10.7001, 9.1090, 3.1137

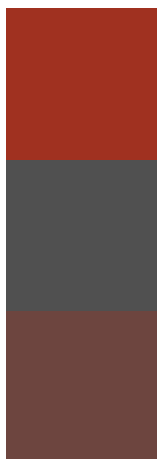
Deuteranomaly

11.5571, 9.3764, 2.1780

Tritanomaly

16.1909, 9.8654, 3.3364

Monochromacy



Original Color

15.8562, 9.7745, 2.4174

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.3320, 7.8663, 5.7291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8562, 9.7745, 2.4174 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(160, 49, 32)` looks like.

```
.text, #text, p{  
    color:rgb(160, 49, 32)  
}
```

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(160, 49, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 49, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.8562, 9.7745, 2.4174 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(160, 49, 32) }
```


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

```
.border{ border-color:rgb(160, 49, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 49, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 49, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 49, 32);  
box-shadow:4px 4px 4px 4px rgb(160, 49,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8562, 9.7745, 2.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 49, 32) }
```

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

```
.background{ background-color: rgb(160, 49,  
32) }
```

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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