

Converting Colors

XYZ(15.3563, 9.6359, 2.4046)

Have a look what the booklet for
XYZ(15.3563, 9.6359, 2.4046)
contains.

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Color

**XYZ(15.3492, 9.6400,
2.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3320
RGB	157, 51, 32
RGB Percent	62%, 20%, 13%
CMY	0.3843, 0.8000, 0.8745
CMYK	0.00, 0.68, 0.80, 0.38
HSL	9°, 66%, 37%
HSV	9°, 80%, 62%
XYZ	15.3492, 9.6400, 2.4182
YIQ	80.5280, 69.2750, 16.5630

Conversions

Conversions Part 2

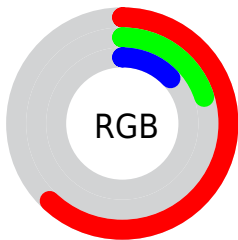
Format	Color
R _Y B	157, 54, 32
Decimal	10302240
CIE Lab	37.19, 43.02, 35.49
CIE LCh	37, 55.769, 39.517
Yxy	9.6400, 0.5600, 0.3517
Android (android.graphics.Color)	4288492320 (0xFF9D3320)
YUV	80.5280, -23.9243, 67.0659
Hunter-Lab	31.0483, 33.9094, 17.1160

Details

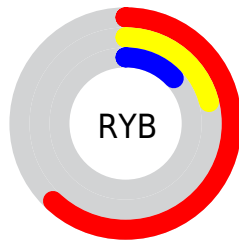
The XYZ color **15.3492, 9.6400, 2.4182** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7691, 20.9167, 35.1044**, and the grayscale version is **7.7645, 8.1689, 8.8959**.

A 20% lighter version of the original color is **35.1388, 25.1560, 10.2113**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **14.6837, 8.5731, 1.3829**, and if you desaturate by 10%, it is **16.2834, 11.0819, 4.0448**.

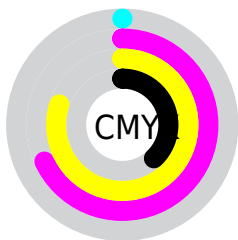
Distribution



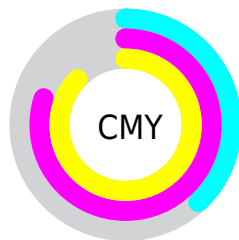
- Red (62%)
- Green (20%)
- Blue (13%)



- Red (62%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (38%)




- Cyan (38%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3492, 9.6400, 2.4182 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 15.3492, 9.6400, 2.4182 by changing the saturation by 10% instead.


 15.3492, 9.6400,
2.4182


 15.3492, 9.6400,
2.4182


218.8169,
188.0830, 128.5656


 9.1527, 5.1609,
0.7963


 35.0313, 25.1161,
10.1555


 4.8988, 2.3420,
0.0000

 49.2476, 36.8820,
17.1175


 2.2222, 0.7958,
0.0000

 66.8679, 51.8456,
26.6999

 0.7544, 0.0000,
0.0000

 88.2576, 70.3913,
39.3212


 0.0000, 0.0000,
0.0000


 113.7820, 92.9035,
55.3998


 143.8064,


119.7666, 75.3544


 178.6963,
151.3650, 99.6035


 15.3492, 9.6400,
2.4182


 15.3492, 9.6400,
2.4182


 14.6837, 8.5731,
1.3829


 16.2834, 11.0819,
4.0448


 14.2424, 7.8385,
0.7796

 17.5113, 12.9281,
6.3340

 14.2286, 7.8161,
0.7587

 19.0559, 15.2068,
9.3472

 20.9374, 17.9433,
13.1389

 23.1744, 21.1607,
17.7581

■ 25.7841, 24.8809,
23.2501

■ 28.7826, 29.1241,
29.6565

■ 32.1851, 33.9096,
37.0166

■ 36.0059, 39.2555,
45.3671

Harmonies

Analogous

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



17.4656, 9.6400, 7.6377



15.3492, 9.6400, 2.4182



11.7071, 9.6400, 0.8302

Triad

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



15.3492, 9.6400, 2.4182



4.2177, 9.6400, 5.1202



10.3132, 9.6400, 42.9741

Complementary

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



15.3492, 9.6400, 2.4182



15.7691, 20.9167, 35.1044

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.



7.0163, 9.6400, 40.5956



15.3492, 9.6400, 2.4182



4.0236, 9.6400, 13.9917

Square

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



15.3492, 9.6400, 2.4182



5.5324, 9.6400, 1.5703



4.9118, 9.6400, 28.0049



14.1098, 9.6400, 33.2831

Rectangle

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



15.3492, 9.6400, 2.4182



9.2190, 9.6400, 0.5839



4.9118, 9.6400, 28.0049



9.1063, 9.6400, 43.6505

Sweetspot

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



15.3494, 9.6406, 2.4184



43.8274, 41.2168, 36.6737



19.0267, 10.0434, 25.0755



9.3110, 8.5944, 7.3711



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.3494, 9.6406, 2.4184



25.6376, 14.2374, 1.6312



20.0984, 19.1385, 4.0013



6.7105, 6.8009, 6.9447



11.5745, 6.3847, 0.6223



0.2272, 0.1546, 0.0179

Inverse Universe

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



15.7691, 20.9167, 35.1044



26.1805, 34.7708, 62.4583



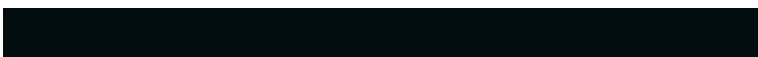
9.2487, 7.8759, 32.9310



6.7359, 7.3375, 8.4679



11.7908, 15.6732, 28.3110



0.2320, 0.3225, 0.5133

Previews

White Background



This preview shows how the XYZ color 15.3492, 9.6400, 2.4182 looks on a white background.

Color Contrast Check

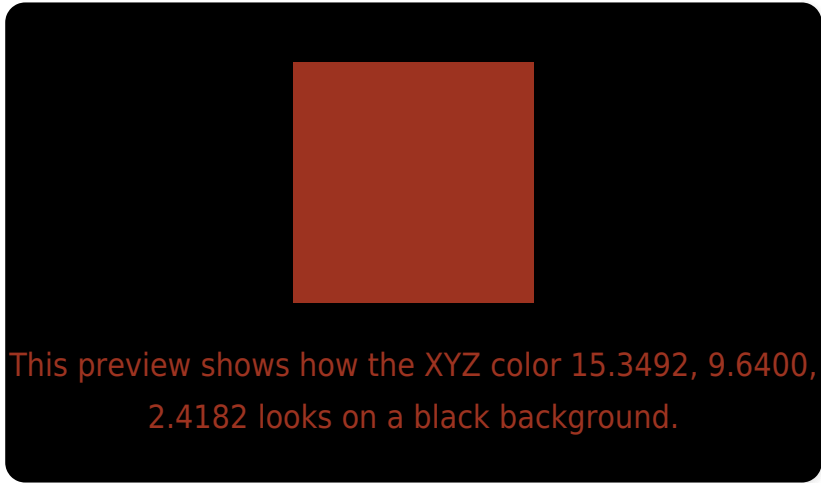
Large Text (above 18pt) WCAG AA ✓ Pass

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

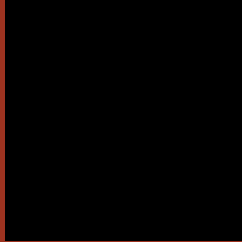
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3492, 9.6400, 2.4182

Background



This preview shows how black text looks on a background with the XYZ color 15.3492, 9.6400, 2.4182.



This preview shows how white text looks on a background with the XYZ color 15.3492, 9.6400,

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

15.3492, 9.6400, 2.4182

Protanopia

9.0454, 9.9158, 3.7227

Deuteranopia

9.8805, 9.7820, 2.1780



Tritanopia

15.7964, 9.7047, 4.1726

Trichromacy



Original Color

15.3492, 9.6400, 2.4182

Protanomaly

10.4900, 9.1006, 3.1232

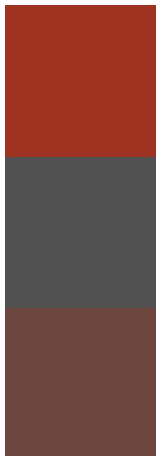
Deuteranomaly

11.4059, 9.2985, 2.1709

Tritanomaly

15.6958, 9.7322, 3.4341

Monochromacy



Original Color

15.3492, 9.6400, 2.4182

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.3940, 7.9904, 5.7498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3492, 9.6400, 2.4182 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(157, 51, 32)` looks like.

```
.text, #text, p{  
    color:rgb(157, 51, 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(157, 51, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 51, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.3492, 9.6400, 2.4182 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(157, 51, 32) }
```


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

```
.border{ border-color:rgb(157, 51, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 51, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 51, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 51, 32);  
box-shadow:4px 4px 4px 4px rgb(157, 51,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3492, 9.6400, 2.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 51, 32) }
```

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

```
.background{ background-color: rgb(157, 51,  
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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