

Converting Colors

XYZ(15.8125, 9.4908, 2.3743)

Have a look what the booklet for
XYZ(15.8125, 9.4908, 2.3743)
contains.

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Color

**XYZ(15.8970, 9.5581,
2.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	A12D20
RGB	161, 45, 32
RGB Percent	63%, 18%, 13%
CMY	0.3686, 0.8235, 0.8745
CMYK	0.00, 0.72, 0.80, 0.37
HSL	6°, 67%, 38%
HSV	6°, 80%, 63%
XYZ	15.8970, 9.5581, 2.3735
YIQ	78.2020, 73.3090, 20.5490

Conversions

Conversions Part 2

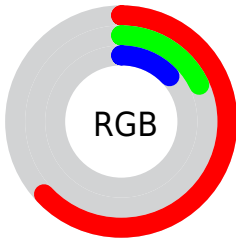
Format	Color
RYB	161, 46, 32
Decimal	10562848
CIELab	37.04, 46.87, 35.57
CIELCh	37, 58.845, 37.196
Yxy	9.5581, 0.5712, 0.3435
Android (android.graphics.Color)	4288752928 (0xFFA12D20)
YUV	78.2020, -22.7776, 72.6138
Hunter-Lab	30.9162, 37.6808, 17.0895

Details

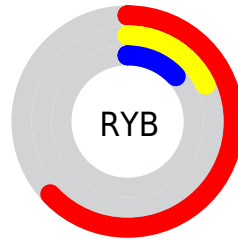
The XYZ color **15.8970, 9.5581, 2.3735** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.6172, 24.0574, 37.4329**, and the grayscale version is **7.3124, 7.6932, 8.3779**.

A 20% lighter version of the original color is **35.9612, 25.0033, 10.1385**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.2684, 8.5698, 1.3357**, and if you desaturate by 10%, it is **16.8224, 10.9692, 4.0378**.

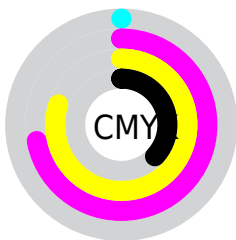
Distribution



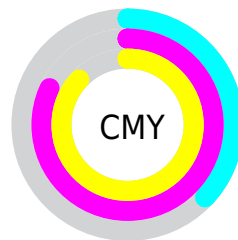
- Red (63%)
- Green (18%)
- Blue (13%)



- Red (63%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (72%)
- Yellow (80%)
- Black (37%)




- Cyan (37%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8970, 9.5581, 2.3735 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 15.8970, 9.5581, 2.3735 by changing the saturation by 10% instead.


 15.8970, 9.5581,
2.3735


 15.8970, 9.5581,
2.3735


222.0155,
187.4884, 127.9307


 9.5417, 5.1070,
0.7720


 35.9782, 24.9610,
10.0388


 5.1561, 2.3102,
0.0000

 50.4348, 36.6815,
16.9522


 2.3748, 0.7791,
0.0000

 68.3225, 51.5939,
26.4775

 0.8325, 0.0000,
0.0000

 90.0067, 70.0826,
39.0332

 0.0000, 0.0000,
0.0000

 115.8528, 92.5320,
55.0378


 146.2260,


119.3265, 74.9099


 181.4918,
150.8505, 99.0680


 15.8970, 9.5581,
2.3735


 15.8970, 9.5581,
2.3735


 15.2684, 8.5698,
1.3357


 16.8224, 10.9692,
4.0378

 14.8866, 7.9546,
0.7508

 18.0751, 12.8418,
6.4064

 19.6826, 15.2121,
9.5465

 21.6693, 18.1123,
13.5170

 24.0572, 21.5718,
18.3714

■ 26.8669, 25.6178,
24.1584

■ 30.1174, 30.2759,
30.9233

■ 33.8266, 35.5699,
38.7085

■ 38.0113, 41.5227,
47.5538

Harmonies

Analogous

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



17.9735, 9.5581, 8.0878



15.8970, 9.5581, 2.3735



12.0839, 9.5581, 0.6720

Triad

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



15.8970, 9.5581, 2.3735



4.0309, 9.5581, 4.4009



9.9921, 9.5581, 45.7746

Complementary

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



15.8970, 9.5581, 2.3735



17.6172, 24.0574, 37.4329

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.



6.6279, 9.5581, 42.0874



15.8970, 9.5581, 2.3735



3.7508, 9.5581, 13.1322

Square

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



15.8970, 9.5581, 2.3735



5.4693, 9.5581, 1.2050



4.5640, 9.5581, 27.8912



14.0200, 9.5581, 36.0168

Rectangle

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



15.8970, 9.5581, 2.3735



9.4322, 9.5581, 0.3554



4.5640, 9.5581, 27.8912



8.7458, 9.5581, 46.1358

Sweetspot

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



15.8972, 9.5587, 2.3736



45.8448, 42.6127, 38.5715



20.5675, 10.7513, 29.0494



9.6909, 8.8217, 7.7114



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.



15.8972, 9.5587, 2.3736



26.7984, 14.4477, 1.6164



20.4699, 18.7040, 3.8979



7.1286, 7.1956, 7.3933



11.9048, 6.3836, 0.6047



0.2662, 0.1662, 0.0181

Inverse Universe

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



17.6172, 24.0574, 37.4329



29.7929, 40.9967, 66.7294



10.1680, 9.1590, 34.9498



7.2148, 7.8886, 9.0455



13.2131, 18.2055, 29.7474



0.2940, 0.4153, 0.6305

Previews

White Background



This preview shows how the XYZ color 15.8970, 9.5581, 2.3735 looks on a white background.

Color Contrast Check

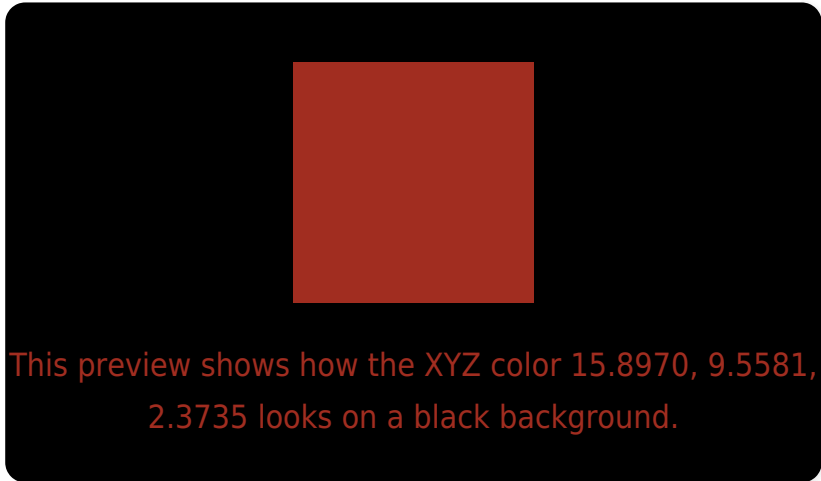
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8970, 9.5581, 2.3735

Background



This preview shows how black text looks on a background with the XYZ color 15.8970, 9.5581, 2.3735.



This preview shows how white text looks on a background with the XYZ color 15.8970, 9.5581,

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

15.8970, 9.5581, 2.3735

Protanopia

8.9813, 9.7580, 3.7930

Deuteranopia

9.8707, 9.7781, 2.1262



Tritanopia

16.0355, 9.4943, 3.4700

Trichromacy



Original Color

15.8970, 9.5581, 2.3735

Protanomaly

10.5855, 8.8529, 3.1583

Deuteranomaly

11.4299, 9.1220, 2.1356

Tritanomaly

15.9816, 9.5316, 3.0049

Monochromacy



Original Color

15.8970, 9.5581, 2.3735

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.9749, 7.4215, 5.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8970, 9.5581, 2.3735 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(161, 45, 32)` looks like.

```
.text, #text, p{  
    color:rgb(161, 45, 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(161, 45, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 45, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.8970, 9.5581, 2.3735 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(161, 45, 32) }
```


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

```
.border{ border-color:rgb(161, 45, 32) }
```

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

Here you see how a box with a 4 pixel rgb(161, 45, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 45, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 45, 32);  
box-shadow:4px 4px 4px 4px rgb(161, 45,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8970, 9.5581, 2.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 45, 32) }
```

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

```
.background{ background-color: rgb(161, 45,  
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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