

Converting Colors

XYZ(19.2223, 12.4263, 4.9545)

Have a look what the booklet for
XYZ(19.2223, 12.4263, 4.9545)
contains.

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Color

**XYZ(19.2068, 12.3790,
4.9915)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3E37
RGB	171, 62, 55
RGB Percent	67%, 24%, 22%
CMY	0.3294, 0.7568, 0.7843
CMYK	0.00, 0.64, 0.68, 0.33
HSL	4°, 51%, 44%
HSV	4°, 68%, 67%
XYZ	19.2068, 12.3790, 4.9915
YIQ	93.7930, 67.2110, 20.9310

Conversions

Conversions Part 2

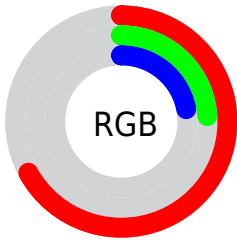
Format	Color
R_{YB}	171, 62, 55
Decimal	11222583
CIE _{Lab}	41.81, 44.22, 28.10
CIE _{LCh}	42, 52.391, 32.432
Yxy	12.3790, 0.5251, 0.3384
Android (android.graphics.Color)	4289412663 (0xFFAB3E37)
YUV	93.7930, -19.1249, 67.7105
Hunter-Lab	35.1838, 35.8713, 16.2172

Details

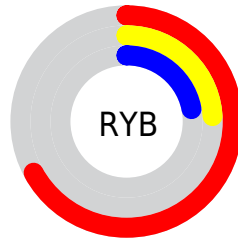
The XYZ color **19.2068, 12.3790, 4.9915** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.2005, 30.3011, 43.2065**, and the grayscale version is **10.6236, 11.1768, 12.1716**.

A 20% lighter version of the original color is **41.8077, 30.3766, 16.2301**, and **6.7485, 3.4713, 0.6622** is the 20% darker color. If you saturate the color by 10%, you get **18.1174, 10.7465, 2.9447**, and if you desaturate by 10%, it is **20.6971, 14.5864, 7.8727**.

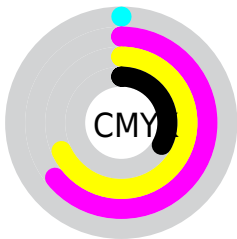
Distribution



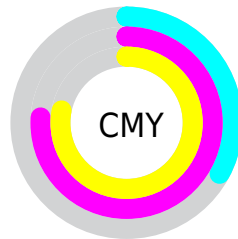
- Red (67%)
- Green (24%)
- Blue (22%)



- Red (67%)
- Yellow (24%)
- Blue (22%)



- Cyan (0%)
- Magenta (64%)
- Yellow (68%)
- Black (33%)





- Cyan (33%)
- Magenta (76%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2068, 12.3790, 4.9915 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 19.2068, 12.3790, 4.9915 by changing the saturation by 10% instead.


 19.2068, 12.3790,
4.9915


 19.2068, 12.3790,
4.9915


240.5043,
206.8985, 158.6797


 11.9247, 7.0023,
2.1836


 41.5974, 30.1835,
16.2386


 6.7643, 3.4636,
0.6649


 57.4367, 43.3802,
25.5150

 3.3601, 1.3783,
0.0000

 76.8590, 59.9523,
37.7845

 1.3469, 0.2006,
0.0000

 100.2297, 80.2842,
53.4659

 0.2179, 0.0000,
0.0000

 127.9143,
104.7604, 72.9775

 0.0000, 0.0000,
0.0000

 160.2780,

133.7653, 96.7380

197.6862,
167.6832, 125.1659

■ 19.2068, 12.3790,
4.9915

■ 19.2068, 12.3790,
4.9915

■ 18.1174, 10.7465,
2.9447

■ 20.6971, 14.5864,
7.8727

■ 17.3891, 9.6334,
1.6427

■ 22.6214, 17.4130,
11.6642

■ 16.9692, 8.9749,
0.9442

■ 25.0101, 20.9016,
16.4340

■ 16.9066, 8.8821,
0.8233

■ 27.8909, 25.0902,
22.2435

■ 31.2891, 30.0142,
29.1490

■ 35.2285, 35.7065,
37.2030

■ 39.7313, 42.1979,
46.4542

■ 44.8183, 49.5178,
56.9489

■ 50.5095, 57.6938,
68.7307

Harmonies

Analogous

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



20.8468, 12.3790, 12.5968



19.2068, 12.3790, 4.9915



15.5454, 12.3790, 2.0532

Triad

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



19.2068, 12.3790, 4.9915



6.3372, 12.3790, 5.8411



12.0836, 12.3790, 47.8161

Complementary

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



19.2068, 12.3790, 4.9915



22.2005, 30.3011, 43.2065

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.



8.6547, 12.3790, 42.4609



19.2068, 12.3790, 4.9915



5.7998, 12.3790, 14.4007

Square

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



19.2068, 12.3790, 4.9915



8.2178, 12.3790, 2.3213



6.5480, 12.3790, 28.3917



16.2114, 12.3790, 40.5524

Rectangle

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



19.2068, 12.3790, 4.9915



12.7706, 12.3790, 1.4810



6.5480, 12.3790, 28.3917



10.8153, 12.3790, 47.4310

Sweetspot

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



19.2071, 12.3797, 4.9917



54.4156, 51.4065, 48.9007



24.9704, 14.1142, 37.1009



11.7581, 10.9180, 10.1388



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.2071, 12.3797, 4.9917



31.7722, 18.2208, 4.0471



24.0571, 22.0798, 6.6084



8.0426, 8.0901, 8.3510



12.7593, 6.7241, 0.6254



0.3673, 0.2117, 0.0215

Inverse Universe

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



22.2005, 30.3011, 43.2065



37.4192, 52.3481, 77.1339



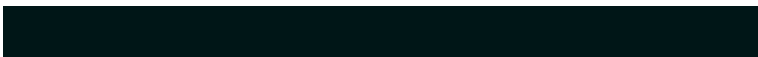
14.2048, 14.3097, 40.5412



8.1943, 8.9880, 10.2557



15.1198, 21.3735, 32.3731



0.4328, 0.6189, 0.9046

Previews

White Background



This preview shows how the XYZ color 19.2068, 12.3790, 4.9915 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 19.2068, 12.3790, 4.9915 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 19.2068, 12.3790, 4.9915

Background



This preview shows how black text looks on a background with the XYZ color 19.2068, 12.3790, 4.9915.



This preview shows how white text looks on a background with the XYZ color 19.2068, 12.3790,

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

19.2068, 12.3790, 4.9915

Protanopia

11.5994, 12.4792, 7.4276

Deuteranopia

12.6726, 12.5437, 4.6590



Tritanopia

19.3887, 12.3656, 6.2154

Trichromacy



Original Color

19.2068, 12.3790, 4.9915

Protanomaly

13.4591, 11.7716, 6.4133

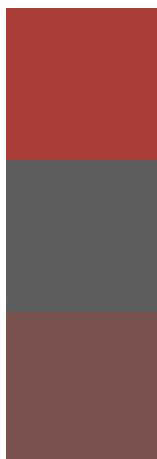
Deuteranomaly

14.5060, 12.0010, 4.6838

Tritanomaly

19.3056, 12.3323, 5.7777

Monochromacy



Original Color

19.2068, 12.3790, 4.9915

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.4913, 10.7513, 9.0063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2068, 12.3790, 4.9915 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(171, 62, 55)` looks like.

```
.text, #text, p{  
    color:rgb(171, 62, 55)  
}
```

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(171, 62, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 62, 55) }
```

Border

The CSS property to change the border of an element to XYZ 19.2068, 12.3790, 4.9915 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(171, 62, 55) }
```


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

```
.border{ border-color:rgb(171, 62, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 62, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 62, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 62, 55);  
box-shadow:4px 4px 4px 4px rgb(171, 62,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2068, 12.3790, 4.9915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 62, 55) }
```

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

```
.background{ background-color: rgb(171, 62,  
55) }
```

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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