

Converting Colors

XYZ(19.1056, 12.3716, 4.0986)

Have a look what the booklet for
XYZ(19.1056, 12.3716, 4.0986)
contains.

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Color

**XYZ(19.0303, 12.3084,
4.0621)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3E2F
RGB	171, 62, 47
RGB Percent	67%, 24%, 18%
CMY	0.3294, 0.7568, 0.8157
CMYK	0.00, 0.64, 0.73, 0.33
HSL	7°, 57%, 43%
HSV	7°, 73%, 67%
XYZ	19.0303, 12.3084, 4.0621
YIQ	92.8810, 69.7790, 18.4430

Conversions

Conversions Part 2

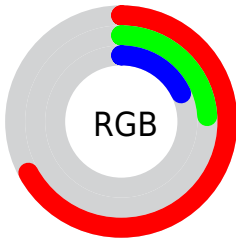
Format	Color
R_{YB}	171, 64, 47
Decimal	11222575
CIE _{Lab}	41.70, 43.79, 32.66
CIE _{LCh}	42, 54.629, 36.713
Yxy	12.3084, 0.5376, 0.3477
Android (android.graphics.Color)	4289412655 (0xFFAB3E2F)
YUV	92.8810, -22.6193, 68.5104
Hunter-Lab	35.0833, 35.4282, 17.6935

Details

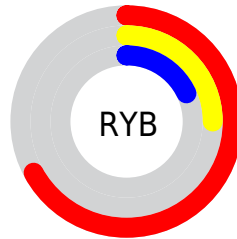
The XYZ color **19.0303, 12.3084, 4.0621** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.4104, 27.3194, 42.7253**, and the grayscale version is **10.4169, 10.9594, 11.9348**.

A 20% lighter version of the original color is **41.3164, 29.9986, 14.2024**, and **6.6876, 3.4469, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **18.0431, 10.7822, 2.3519**, and if you desaturate by 10%, it is **20.3793, 14.3422, 6.5598**.

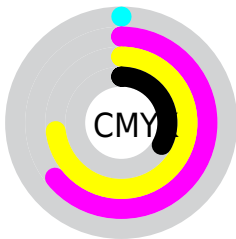
Distribution



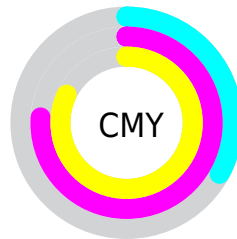
- Red (67%)
- Green (24%)
- Blue (18%)



- Red (67%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (73%)
- Black (33%)





- Cyan (33%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0303, 12.3084, 4.0621 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 19.0303, 12.3084, 4.0621 by changing the saturation by 10% instead.


 19.0303, 12.3084,
4.0621


 19.0303, 12.3084,
4.0621


239.5509,
206.4364, 148.9131


 11.7963, 6.9541,
1.6595


 41.3018, 30.0556,
14.1527


 6.6763, 3.4334,
0.3327


 57.0700, 43.2172,
22.6778

 3.3050, 1.3620,
0.0000

 76.4136, 59.7500,
34.0808

 1.3171, 0.1884,
0.0000

 99.6980, 80.0385,
48.7802

 0.1959, 0.0000,
0.0000

 127.2886,
104.4670, 67.1946

 0.0000, 0.0000,
0.0000

 159.5507,

133.4199, 89.7426

196.8497,
167.2815, 116.8425

■ 19.0303, 12.3084,
4.0621

■ 19.0303, 12.3084,
4.0621

■ 18.0431, 10.7822,
2.3519

■ 20.3793, 14.3422,
6.5598

■ 17.3809, 9.7165,
1.3335

■ 22.1203, 16.9210,
9.9244

■ 17.0570, 9.1830,
0.8735

■ 24.2813, 20.0814,
14.2262

■ 26.8875, 23.8557,
19.5283

■ 29.9621, 28.2743,
25.8882

■ 33.5265, 33.3653,
33.3590

■ 37.6011, 39.1553,
41.9902

■ 42.2048, 45.6692,
51.8285

■ 47.3557, 52.9309,
62.9178

Harmonies

Analogous

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



21.1461, 12.3084, 10.9830



19.0303, 12.3084, 4.0621



15.0185, 12.3084, 1.6316

Triad

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



19.0303, 12.3084, 4.0621



5.9505, 12.3084, 6.4315



12.6233, 12.3084, 49.4585

Complementary

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



19.0303, 12.3084, 4.0621



20.4104, 27.3194, 42.7253

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.



8.9082, 12.3084, 45.6285



19.0303, 12.3084, 4.0621



5.5915, 12.3084, 16.1519

Square

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



19.0303, 12.3084, 4.0621



7.6690, 12.3084, 2.3512



6.5434, 12.3084, 31.4064



16.9388, 12.3084, 40.0332

Rectangle

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



19.0303, 12.3084, 4.0621



12.1463, 12.3084, 1.2359



6.5434, 12.3084, 31.4064



11.2624, 12.3084, 49.7338

Sweetspot

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



19.0306, 12.3091, 4.0623



53.7352, 50.7446, 46.5195



23.8570, 13.1094, 32.9626



11.6425, 10.8279, 9.6657



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.



19.0306, 12.3091, 4.0623



31.5349, 18.0675, 2.9774



24.4486, 23.1451, 5.8683



8.0804, 8.1657, 8.3636



12.8803, 6.9662, 0.6657



0.3824, 0.2419, 0.0265

Inverse Universe

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



20.4104, 27.3194, 42.7253



33.9738, 46.1386, 76.1169



12.5733, 11.6453, 40.1129



8.1524, 8.9041, 10.2417



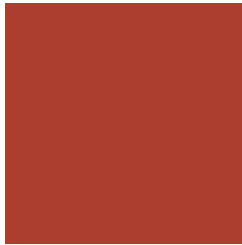
13.8256, 18.7851, 31.9417



0.4074, 0.5681, 0.8962

Previews

White Background



This preview shows how the XYZ color 19.0303, 12.3084, 4.0621 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



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 19.0303, 12.3084, 4.0621

Background



This preview shows how black text looks on a background with the XYZ color 19.0303, 12.3084, 4.0621.



This preview shows how white text looks on a background with the XYZ color 19.0303, 12.3084,

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

19.0303, 12.3084, 4.0621

Protanopia

11.5579, 12.4907, 5.9394

Deuteranopia

12.5541, 12.3696, 3.7334



Tritanopia

19.5263, 12.3613, 6.0594

Trichromacy



Original Color

19.0303, 12.3084, 4.0621

Protanomaly

13.5331, 11.8369, 5.1859

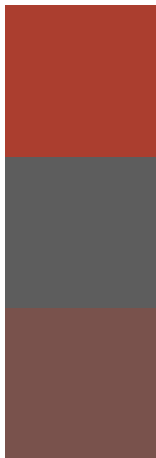
Deuteranomaly

14.2686, 11.7845, 3.8081

Tritanomaly

19.4205, 12.4036, 5.2414

Monochromacy



Original Color

19.0303, 12.3084, 4.0621

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.2070, 10.6213, 8.2442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0303, 12.3084, 4.0621 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(171, 62, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 62, 47) }
```

Border

The CSS property to change the border of an element to XYZ 19.0303, 12.3084, 4.0621 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, 47) }
```


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

```
.border{ border-color:rgb(171, 62, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 62, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 62, 47);  
box-shadow:4px 4px 4px 4px rgb(171, 62,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0303, 12.3084, 4.0621 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, 47) }
```

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

```
.background{ background-color: rgb(171, 62,  
47) }
```

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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